

# Wisconsin: 2002

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## 2002 Economic Census

*Manufacturing*

Geographic Area Series



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## 2002 Economic Census

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#### Geographic Area Series



**U.S. Department of Commerce**

**Carlos M. Gutierrez,**

Secretary

**David A. Sampson,**

Deputy Secretary

**Economics and Statistics Administration**

**Kathleen B. Cooper,**

Under Secretary for

Economic Affairs

**U.S. CENSUS BUREAU**

**Charles Louis Kincannon,**

Director

---



**Economics  
and Statistics  
Administration**

**Kathleen B. Cooper,**  
Under Secretary  
for Economic Affairs



**U.S. CENSUS BUREAU**

**Charles Louis Kincannon,**  
Director

**Hermann Habermann,**  
Deputy Director and  
Chief Operating Officer

**Thomas L. Mesenbourg,**  
Associate Director  
for Economic Programs

**Thomas L. Mesenbourg,**  
Acting Assistant Director  
for Economic Programs

**William G. Bostic, Jr.,**  
Chief, Manufacturing  
and Construction Division

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# Introduction to the Economic Census

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## **PURPOSES AND USES OF THE ECONOMIC CENSUS**

The economic census is the major source of facts about the structure and functioning of the nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in "2" and "7."

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the federal government use the data to monitor economic activity and to assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

## **INDUSTRY CLASSIFICATIONS**

Data from the 2002 Economic Census are published primarily according to the 2002 North American Industry Classification System (NAICS). NAICS was first adopted in the United States, Canada, and Mexico in 1997. The 2002 Economic Census covers the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), largely covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 100 subsectors (three-digit codes), 317 industry groups (four-digit codes), and, as implemented in the United States, 1,179 industries (six-digit codes).



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## **RELATIONSHIP TO HISTORICAL INDUSTRY CLASSIFICATIONS**

Prior to the 1997 Economic Census, data were published according to the Standard Industrial Classification (SIC) system. While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The 1997 Economic Census *Bridge Between NAICS and SIC* demonstrates the relationships between NAICS and SIC industries. Where changes are significant, it may not be possible to construct time series that include data for points both before and after 1997.

Most industry classifications remained unchanged between 1997 and 2002, but NAICS 2002 includes substantial revisions within the construction and wholesale trade sectors, and a number of revisions for the retail trade and information sectors. These changes are noted in industry definitions and will be demonstrated in the *Bridge Between NAICS 2002 and NAICS 1997*.

For 2002, data for enterprise support establishments (those functioning primarily to support the activities of their company's operating establishments, such as a warehouse or a research and development laboratory) are included in the industry that reflects their activities (such as warehousing). For 1997, such establishments were termed auxiliaries and were excluded from industry totals.

## **BASIS OF REPORTING**

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company. (For selected industries, only payroll, employment, and classification are collected for individual establishments, while other data are collected on a consolidated basis.)

## **GEOGRAPHIC AREA CODING**

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for states, metropolitan and micropolitan statistical areas, counties, and corporate municipalities (places) including cities, towns, townships, villages, and boroughs. Respondents were required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from administrative sources is used as a basis for coding.

## **AVAILABILITY OF ADDITIONAL DATA**

All results of the 2002 Economic Census are available on the Census Bureau Internet site ([www.census.gov](http://www.census.gov)) and on digital versatile discs (DVD-ROMs) for sale by the Census Bureau. The American FactFinder system at the Internet site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Internet site, write to the U.S. Census Bureau, Washington, DC 20233-6100, or call Customer Services at 301-763-4100.

## **HISTORICAL INFORMATION**

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart

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from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some service trades in 1933. Censuses of construction, manufacturing, and the other business censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated, providing comparable census data across economic sectors and using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census report forms.

The range of industries covered in the economic census expanded between 1967 and 2002. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity. New for 2002 is coverage of four industries classified in the agriculture, forestry, and fishing sector under the SIC system: landscape architectural services, landscaping services, veterinary services, and pet care services.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. Reports for 1997 were published primarily on the Internet and copies of 1992 reports are also available there. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases that include all or nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

#### **SOURCES FOR MORE INFORMATION**

More information about the scope, coverage, classification system, data items, and publications for the 2002 Economic Census and related surveys is published in the *Guide to the 2002 Economic Census* at [www.census.gov/econ/census02/guide](http://www.census.gov/econ/census02/guide). More information on the methodology, procedures, and history of the census will be published in the *History of the 2002 Economic Census* at [www.census.gov/econ/www/history.html](http://www.census.gov/econ/www/history.html).



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# Manufacturing

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## SCOPE

The Manufacturing sector (sector 31-33) comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and characteristically use power-driven machines and materials-handling equipment. However, establishments that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public products made on the same premises from which they are sold, such as bakeries, candy stores, and custom tailors, may also be included in this sector. Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing.

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying, as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership. The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing; and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

Manufacturing establishments often perform one or more activities that are classified outside the manufacturing sector of NAICS. For instance, almost all manufacturing has some captive research and development or administrative operations, such as accounting, payroll, or management. These captive services are treated the same as captive manufacturing activities. When the services are provided by separate establishments, they are classified to the NAICS sector where such services are primary, not in manufacturing.

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are

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considered manufacturing in NAICS: milk bottling and pasteurizing; water bottling and processing; fresh fish packaging (oyster shucking, fish filleting); apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations); as well as contracting on materials owned by others; printing and related activities; ready-mixed concrete production; leather converting; grinding of lenses to prescription; wood preserving; electroplating, plating, metal heat treating, and polishing for the trade; lapidary work for the trade; fabricating signs and advertising displays; rebuilding or remanufacturing machinery (i.e., automotive parts); ship repair and renovation; machine shops; and tire retreading.

**Exclusions.** There are activities that are sometimes considered manufacturing, but for NAICS are classified in another sector. These activities include logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting is considered a harvesting operation; the beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining; the construction of structures and fabricating operations performed at the site of construction by contractors, is classified in Sector 23, Construction; establishments engaged in breaking of bulk and redistribution in smaller lots, including packaging, repackaging, or bottling products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order, classified in Sector 42, Wholesale Trade or Sector 44-45, Retail Trade, produce a modified version of the same product, not a new product; and publishing and the combined activity of publishing and printing, classified in Sector 51, Information, perform the transformation of information into a product where as the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software diskette).

The tabulations for this sector do not include central administrative offices, warehouses, or other establishments that serve manufacturing establishments within the same organization. Data for such establishments are classified according to the nature of the service they provide. For example, separate headquarters establishments are reported in NAICS Sector 55, Management of Companies and Enterprises.

The reports described below exclude establishments of firms with no paid employees. These “nonemployers,” typically self-employed individuals or partnerships operating businesses that they have not chosen to incorporate, are reported separately in Nonemployer Statistics. The contribution of nonemployers, relatively small for this sector, may be examined at [www.census.gov/nonemployerimpact](http://www.census.gov/nonemployerimpact).

The reports described below cover all manufacturing establishments with one or more paid employees.

**Definitions.** Industry categories are defined in Appendix B, NAICS Codes, Titles, and Descriptions. Other terms are defined in Appendix A, Explanation of Terms.

## REPORTS

The following reports provide statistics on this sector:

**Industry Series.** There are 473 reports, each covering a single NAICS industry (six-digit code). These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. The industry reports also include data for states with 100 employees or more in the industry. The data in industry reports are preliminary and subject to change in the following reports.

**Geographic Area Series.** There are 51 separate reports, one for each state and the District of Columbia. Each state report presents similar statistics at the “all manufacturing” level for each state and its metropolitan and micropolitan areas with 250 employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

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## Subject Series:

- **Industry-Product Analysis Summary.** This report presents value of shipments, value of product shipments, percentage of product shipments of the total value of shipments, and percentage of distribution of value of product shipments on the NAICS six-digit industry level and by the six- and seven-digit product code levels. It also includes miscellaneous receipts at the six- and seven-digit product code levels by NAICS six-digit industry levels.
- **General Summary.** This report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.
- **Product Summary.** This report summarizes the products data published in the industry reports. This report also includes a table with data for products that are primary to more than one industry, which are not in the industry reports.
- **Materials Summary.** This report summarizes the materials data published in the industry reports.
- **Concentration Ratio Summary.** This report publishes data on the percentage of value of shipments and value added accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Herfindahl-Herschmann indexes for each industry.
- **Location of Manufacturing Plants Summary.** This report contains statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

**ZIP Code Statistics.** This report contains statistics on the number of establishments for the three- and six-digit NAICS industry by employment-size of the establishment by ZIP Code.

**Other reports.** Data for this sector are also included in reports with multisector coverage, including Nonemployer Statistics, Comparative Statistics, Bridge Between 2002 NAICS and 1997 NAICS, Business Expenses, and the Survey of Business Owners reports.

## GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Maps are available at [www.census.gov/econ2002maps](http://www.census.gov/econ2002maps). Notes specific to areas in the state are included in Appendix D, Geographic Notes.

1. The United States as a whole.
2. States and the District of Columbia.
3. Metropolitan and micropolitan statistical areas with 250 employees or more. A core based statistical areas (CBSA) contains a core area with a substantial population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. CBSAs are differentiated into metropolitan and micropolitan statistical areas based on size criteria. Both metropolitan and micropolitan areas are defined in terms of entire counties, and are listed in Appendix E, Metropolitan and Micropolitan Statistical Areas.
  - a. Metropolitan Statistical Areas (metro areas). Metro areas have at least one urbanized area of 50,000 or more population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
  - b. Micropolitan Statistical Areas (micro areas). Micro areas have at least one urban cluster of at least 10,000 but less than 50,000 population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
  - c. Metropolitan Divisions (metro divisions). If specified criteria are met, a metro area containing a single core with a population of 2.5 million or more may be subdivided to form smaller groupings of counties referred to as Metropolitan Divisions.

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- d. Combined Statistical Areas (combined areas). If specified criteria are met, adjacent metro and micro areas, in various combinations, may become the components of a new set of areas called Combined Statistical Areas. The areas that combine retain their own designations as metro or micro areas within the larger combined area.
4. Counties and county equivalents defined as of January 1, 2002, with 500 employees or more. Counties are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs, census areas, and city and boroughs. Maryland, Missouri, Nevada, and Virginia have one place or more that is independent of any county organization and constitutes primary divisions of their states. These places are treated as counties and as places.
  5. Economic places with 500 employees or more.
    - a. Municipalities of 2,500 inhabitants or more defined as of January 1, 2002. These are areas of significant population incorporated as cities, boroughs, villages, or towns according to the 2000 Census of Population. For the economic census, boroughs and census areas in Alaska and boroughs in New York are not included in this category.
    - b. Consolidated cities defined as of January 1, 2002. Consolidated cities are consolidated governments that consist of separately incorporated municipalities.
    - c. Townships in Michigan, New Jersey, and Pennsylvania, and towns in New York, Wisconsin, and the six New England states with 10,000 inhabitants or more (according to the 2000 Census of Population).
    - d. Balance of county. Areas outside the entities listed above, including incorporated municipalities with populations of fewer than 2,500, town and townships not qualifying as noted above, and the remainders of counties outside places are categorized as "Balance of county."

## **DOLLAR VALUES**

All dollar values presented are expressed in current dollars; i.e., 2002 data are expressed in 2002 dollars, and 1997 data, in 1997 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

## **COMPARABILITY OF THE 1997 AND 2002 ECONOMIC CENSUSES**

Both the 2002 Economic Census and the 1997 Economic Census present data based on the North American Industry Classification System (NAICS). While there were revisions to selected industries for 2002, this sector is not affected by those revisions.

For 2002, there have been several additional data tables added, which did not exist in 1997. These tables for 2002 include products primary to more than one industry, industry-product analysis, e-commerce value of shipments, and leased and nonleased detail employment statistics by subsectors.

## **RELIABILITY OF DATA**

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data. Selected data in tables titled "Detailed Statistics" are based on the Annual Survey of Manufactures and are subject to sampling errors as well as nonsampling errors.

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No direct measurement of these effects has been obtained except for estimation for missing or misreported data, as by the percentages shown in the tables. Precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors. More information on the reliability of the data is included in Appendix C, Methodology.

## **DISCLOSURE**

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at [www.census.gov/epcd/ec02/disclosure.htm](http://www.census.gov/epcd/ec02/disclosure.htm).

The disclosure analysis for "industry statistics" files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. Nonetheless, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures, which can be suppressed even though value of shipments data are published.

## **AVAILABILITY OF MORE FREQUENT ECONOMIC DATA**

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 55,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data. In addition to the ASM, the Census Bureau conducts the Current Industrial Reports (CIR) program. The CIR program publishes selected detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) Program, which publishes detailed statistics for manufacturing industries at the U.S. level.

In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county, and Statistics of U.S. Businesses provides annual statistics classified by the employment size of the enterprise, further classified by industry for the United States, and by broader categories for states and metropolitan areas.

## **CONTACTS FOR DATA USERS**

Questions about these data may be directed to the U.S. Census Bureau, Manufacturing & Construction Division, Information Services Center, 301-763-4673 or [ask.census.gov](mailto:ask.census.gov).

## **ABBREVIATIONS AND SYMBOLS**

The following abbreviations and symbols are used with these data:

A	Standard error of 100 percent or more
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
Z	Less than half the unit shown
a	0 to 19 employees
b	20 to 99 employees
c	100 to 249 employees



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e	250 to 499 employees
f	500 to 999 employees
g	1,000 to 2,499 employees
h	2,500 to 4,999 employees
i	5,000 to 9,999 employees
j	10,000 to 24,999 employees
k	25,000 to 49,999 employees
l	50,000 to 99,999 employees
m	100,000 employees or more
p	10 to 19 percent estimated
q	20 to 29 percent estimated
r	Revised
s	Sampling error exceeds 40 percent
nsk	Not specified by kind
-	Represents zero (page image/print only)
(CC)	Consolidated city
(IC)	Independent city

**Table 1. Industry Statistics for the State: 2002**

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN</b>													
31-33	Manufacturing .....	-	'9 915	'3 714	'503 588	'19 334 385	'365 113	'710 349	'12 054 077	'61 501 462	'62 979 614	'124 664 004	'3 279 381
311	Food manufacturing .....	-	1 035	431	62 308	2 010 924	48 106	95 612	1 387 803	7 856 243	14 354 797	22 124 212	489 973
3111	Animal food manufacturing .....	-	82	21	1 845	71 663	1 062	2 183	33 908	505 069	517 731	1 023 559	13 095
31111	Animal food manufacturing ....	-	82	21	1 845	71 663	1 062	2 183	33 908	505 069	517 731	1 023 559	13 095
311111	Dog and cat food manufacturing .....	-	9	3	e	D	D	D	D	D	D	D	3 859
311119	Other animal food manufacturing .....	-	73	18	g	D	D	D	D	D	D	D	9 236
3112	Grain and oilseed milling .....	-	21	13	1 119	45 324	877	1 871	29 379	149 299	354 177	502 375	11 367
31121	Flour milling and malt manufacturing .....	-	14	8	532	23 007	405	834	14 974	78 528	252 160	327 626	8 658
311211	Flour milling .....	-	9	3	234	7 947	192	404	5 679	34 320	137 285	170 650	4 512
311213	Malt manufacturing .....	-	5	5	298	15 060	213	430	9 295	44 208	114 875	156 976	4 146
31122	Starch and vegetable fats and oils manufacturing .....	7	5	3	c	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	-	61	14	1 961	61 372	1 274	2 433	35 833	293 386	374 400	663 338	22 583
31132	Chocolate and confectionery manufacturing from cacao beans .....	-	6	4	988	38 946	726	1 422	23 338	223 694	340 509	562 094	16 497
311320	Chocolate and confectionery manufacturing from cacao beans .....	-	6	4	988	38 946	726	1 422	23 338	223 694	340 509	562 094	16 497
31133	Confectionery manufacturing from purchased chocolate ...	1	43	9	769	17 417	393	742	9 259	48 868	27 150	74 061	5 807
311330	Confectionery manufacturing from purchased chocolate ..	1	43	9	769	17 417	393	742	9 259	48 868	27 150	74 061	5 807
31134	Nonchocolate confectionery manufacturing .....	1	12	1	204	5 009	155	269	3 236	20 824	6 741	27 183	279
311340	Nonchocolate confectionery manufacturing .....	1	12	1	204	5 009	155	269	3 236	20 824	6 741	27 183	279
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	96	70	11 656	372 273	9 724	19 838	273 167	1 208 674	1 443 866	2 650 906	70 144
31141	Frozen food manufacturing ....	-	32	21	5 843	184 477	5 206	10 124	149 699	444 099	759 420	1 203 739	40 395
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	11	10	3 252	97 296	3 020	5 575	85 683	110 878	394 237	505 501	17 257
311412	Frozen specialty food manufacturing .....	-	21	11	2 591	87 181	2 186	4 549	64 016	333 221	365 183	698 238	23 138
31142	Fruit and vegetable canning, pickling, and drying .....	1	64	49	5 813	187 796	4 518	9 714	123 468	764 575	684 446	1 447 167	29 749
311421	Fruit and vegetable canning ..	2	56	44	5 234	167 725	4 022	8 786	108 342	621 792	562 254	1 181 459	25 538
311422	Specialty canning .....	-	2	1	c	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing .....	-	6	4	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	240	146	16 647	583 665	13 179	25 888	420 080	2 385 590	7 447 303	9 756 682	192 938
31151	Dairy product (except frozen) manufacturing .....	-	230	143	16 384	575 006	13 001	25 532	414 835	2 361 175	7 412 047	9 696 495	190 097
311511	Fluid milk manufacturing ....	-	17	10	1 028	40 771	660	1 407	25 066	218 420	482 146	698 931	10 865
311512	Creamery butter manufacturing .....	-	9	8	758	25 498	585	1 173	18 429	143 150	653 260	759 057	9 992
311513	Cheese manufacturing .....	-	177	108	12 759	438 565	10 551	20 321	327 160	1 673 239	5 800 019	7 438 074	146 180
311514	Dry, condensed, and evaporated dairy product manufacturing .....	-	27	17	1 839	70 172	1 205	2 631	44 180	326 366	476 622	800 433	23 060
31152	Ice cream and frozen dessert manufacturing .....	4	10	3	263	8 659	178	356	5 245	24 415	35 256	60 187	2 841
311520	Ice cream and frozen dessert manufacturing .....	4	10	3	263	8 659	178	356	5 245	24 415	35 256	60 187	2 841
3116	Animal slaughtering and processing .....	-	135	50	17 087	514 203	13 843	28 744	379 654	1 745 218	3 140 211	4 890 386	89 684
31161	Animal slaughtering and processing .....	-	135	50	17 087	514 203	13 843	28 744	379 654	1 745 218	3 140 211	4 890 386	89 684
311611	Animal (except poultry) slaughtering .....	-	75	24	7 057	219 143	6 056	13 120	176 458	576 026	1 880 823	2 447 090	31 721
311612	Meat processed from carcasses .....	-	51	21	6 719	207 617	5 238	10 470	138 120	911 926	989 958	1 917 725	45 633
311615	Poultry processing .....	-	6	4	3 233	85 098	2 494	5 024	63 458	250 432	262 151	511 563	11 923
3118	Bakeries and tortilla manufacturing .....	2	264	63	5 817	154 293	3 540	5 928	84 281	366 296	269 345	632 212	20 698
31181	Bread and bakery product manufacturing .....	2	244	53	4 506	108 412	2 433	4 014	51 397	271 019	132 614	402 270	15 572
311811	Retail bakeries .....	3	185	27	1 841	26 052	983	1 343	14 060	48 815	21 070	69 255	D
311812	Commercial bakeries .....	2	53	21	2 440	77 199	1 257	2 318	33 382	206 923	102 022	308 249	10 801
311813	Frozen cakes, pies, and other pastries manufacturing .....	-	6	5	225	5 161	193	353	3 955	15 281	9 522	24 766	D
31182	Cookie, cracker, and pasta manufacturing .....	2	18	9	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	-	11	5	969	30 697	841	1 301	23 114	53 317	63 506	114 411	2 466
311822	Flour mixes and dough manufacturing from purchased flour .....	8	4	3	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
311	Food manufacturing—Con.												
3119	Other food manufacturing .....	1	130	53	6 106	206 206	4 546	8 640	130 303	1 193 678	780 040	1 967 997	69 130
31191	Snack food manufacturing .....	—	15	6	g	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	—	14	6	1 306	36 595	1 060	1 632	26 947	495 502	117 116	612 250	D
31192	Coffee and tea manufacturing .....	7	7	2	c	D	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing .....	7	7	2	c	D	D	D	D	D	D	D	D
31193	Flavoring syrup and concentrate manufacturing .....	8	5	3	250	8 923	202	420	6 196	54 747	86 830	138 739	5 377
311930	Flavoring syrup and concentrate manufacturing .....	8	5	3	250	8 923	202	420	6 196	54 747	86 830	138 739	5 377
31194	Seasoning and dressing manufacturing .....	—	24	13	1 135	47 395	835	1 792	30 920	308 310	226 034	533 329	26 453
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	1	12	6	646	27 202	510	1 123	19 483	196 267	138 222	334 832	21 864
311942	Spice and extract manufacturing .....	—	12	7	489	20 193	325	669	11 437	112 043	87 812	198 497	4 589
31199	All other food manufacturing .....	2	79	29	3 259	108 122	2 386	4 680	64 183	321 233	335 210	654 955	17 019
311991	Perishable prepared food manufacturing .....	1	21	12	944	23 915	772	1 397	16 211	56 946	52 254	109 218	2 744
311999	All other miscellaneous food manufacturing .....	3	58	17	2 315	84 207	1 614	3 283	47 972	264 287	282 956	545 737	14 275
312	Beverage and tobacco product manufacturing .....	5	61	17	2 927	123 428	2 154	4 191	84 227	616 601	673 393	1 295 035	49 080
3121	Beverage manufacturing .....	5	60	16	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	21	8	986	38 009	656	1 353	25 089	186 752	353 002	544 995	11 172
312111	Soft drink manufacturing .....	—	11	7	905	35 601	601	1 249	23 656	178 238	342 073	523 148	10 211
31212	Breweries .....	9	25	6	1 776	80 212	1 426	2 706	56 844	408 268	314 375	722 882	37 073
312120	Breweries .....	9	25	6	1 776	80 212	1 426	2 706	56 844	408 268	314 375	722 882	37 073
31213	Wineries .....	4	12	2	c	D	D	D	D	D	D	D	561
312130	Wineries .....	4	12	2	c	D	D	D	D	D	D	D	561
313	Textile mills .....	1	38	18	2 220	77 864	1 659	2 946	52 482	170 123	152 796	328 924	35 288
3132	Fabric mills .....	—	23	13	1 762	60 504	1 308	2 297	40 986	143 225	121 776	270 657	34 048
31321	Broadwoven fabric mills .....	—	4	2	e	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills .....	—	4	2	e	D	D	D	D	D	D	D	D
31322	Narrow fabric mills and schiffli machine embroidery .....	9	4	1	c	D	D	D	D	D	D	D	D
313221	Narrow fabric mills .....	9	1	1	c	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills .....	—	11	6	926	34 903	613	1 101	23 217	91 111	84 753	177 608	30 816
313230	Nonwoven fabric mills .....	—	11	6	926	34 903	613	1 101	23 217	91 111	84 753	177 608	30 816
31324	Knit fabric mills .....	—	4	4	349	11 555	270	454	6 404	22 207	19 055	41 546	1 357
313241	Weft knit fabric mills .....	—	4	4	349	11 555	270	454	6 404	22 207	19 055	41 546	1 357
3133	Textile and fabric finishing and fabric coating mills .....	5	11	3	372	15 381	274	520	10 041	24 326	27 612	52 238	1 156
31332	Fabric coating mills .....	5	4	3	354	14 750	261	492	9 581	22 273	26 760	49 309	D
313320	Fabric coating mills .....	5	4	3	354	14 750	261	492	9 581	22 273	26 760	49 309	D
314	Textile product mills .....	1	130	21	2 037	52 018	1 653	3 150	34 586	102 224	120 034	221 085	3 221
3141	Textile furnishings mills .....	—	47	10	806	17 920	701	1 312	13 459	41 447	61 255	102 642	1 101
31412	Curtain and linen mills .....	—	42	9	769	16 637	674	1 250	12 697	38 384	58 997	97 260	1 029
314121	Curtain and drapery mills .....	2	31	3	165	3 621	134	231	2 077	7 607	9 051	16 694	226
314129	Other household textile product mills .....	—	11	6	604	13 016	540	1 019	10 620	30 777	49 946	80 566	803
3149	Other textile product mills .....	1	83	11	1 231	34 098	952	1 838	21 127	60 777	58 779	118 443	2 120
31491	Textile bag and canvas mills .....	1	38	6	722	21 870	569	1 092	13 080	33 519	33 111	66 230	D
314911	Textile bag mills .....	1	4	2	e	D	D	D	D	D	D	D	D
314912	Canvas and related product mills .....	1	34	4	e	D	D	D	D	D	D	D	D
31499	All other textile product mills .....	2	45	5	509	12 228	383	746	8 047	27 258	25 668	52 213	D
314999	All other miscellaneous textile product mills .....	1	43	5	e	D	D	D	D	D	D	D	1 168
315	Apparel manufacturing .....	1	91	20	1 642	41 313	1 268	2 503	24 719	84 092	66 652	153 383	2 777
3151	Apparel knitting mills .....	—	6	3	389	11 487	301	605	7 294	24 019	23 101	48 957	875
31511	Hosiery and sock mills .....	—	2	1	e	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills .....	—	2	1	e	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills .....	2	4	2	c	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	1	60	10	842	18 304	679	1 338	11 786	37 944	18 962	56 844	1 825
31521	Cut and sew apparel contractors .....	3	41	2	218	3 929	199	307	3 020	10 784	2 072	12 816	39
315211	Men's and boys' cut and sew apparel contractors .....	1	13	1	102	2 032	93	125	1 513	8 328	1 574	9 864	12
315212	Women's, girls', and infants' cut and sew apparel contractors .....	8	28	1	116	1 897	106	182	1 507	2 456	498	2 952	27
31522	Men's and boys' cut and sew apparel manufacturing .....	1	8	3	226	4 429	176	347	2 595	8 874	4 796	13 855	D
315228	Men's and boys' cut and sew other outerwear manufacturing .....	1	5	2	164	2 980	131	241	1 893	6 409	3 954	10 532	D

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<b>WISCONSIN—Con.</b>													
315	Apparel manufacturing—Con.												
3152	Cut and sew apparel manufacturing—Con.												
31523	Women's and girls' cut and sew apparel manufacturing . . . . .	2	6	3	209	4 772	156	334	2 791	8 502	8 171	16 893	90
315232	Women's and girls' cut and sew blouse and shirt manufacturing . . . . .	—	2	2	c	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing . . . . .	—	5	2	189	5 174	148	350	3 380	9 784	3 923	13 280	D
315299	All other cut and sew apparel manufacturing . . . . .	—	4	2	c	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing . . . . .	1	25	7	411	11 522	288	560	5 639	22 129	24 589	47 582	77
31599	Apparel accessories and other apparel manufacturing . . . . .	1	25	7	411	11 522	288	560	5 639	22 129	24 589	47 582	77
315991	Hat, cap, and millinery manufacturing . . . . .	1	3	2	c	D	D	D	D	D	D	D	D
315992	Glove and mitten manufacturing . . . . .	3	9	3	183	4 313	147	272	2 915	6 676	10 038	17 837	15
316	Leather and allied product manufacturing . . . . .	—	47	17	2 083	61 364	1 502	2 973	35 160	183 675	189 444	385 303	5 631
3161	Leather and hide tanning and finishing . . . . .	—	11	7	491	13 998	400	861	9 683	38 561	48 520	86 591	688
31611	Leather and hide tanning and finishing . . . . .	—	11	7	491	13 998	400	861	9 683	38 561	48 520	86 591	688
316110	Leather and hide tanning and finishing . . . . .	—	11	7	491	13 998	400	861	9 683	38 561	48 520	86 591	688
3162	Footwear manufacturing . . . . .	—	16	7	1 416	43 620	964	1 861	23 101	138 116	134 861	285 450	4 752
31621	Footwear manufacturing . . . . .	—	16	7	1 416	43 620	964	1 861	23 101	138 116	134 861	285 450	4 752
316211	Rubber and plastics footwear manufacturing . . . . .	1	4	1	c	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing . . . . .	—	7	4	1 242	39 280	809	1 560	19 917	129 618	127 858	269 633	4 641
3169	Other leather and allied product manufacturing . . . . .	3	20	3	176	3 746	138	251	2 376	6 998	6 063	13 262	191
31699	Other leather and allied product manufacturing . . . . .	3	20	3	176	3 746	138	251	2 376	6 998	6 063	13 262	191
321	Wood product manufacturing . . . . .	1	670	241	29 350	860 034	23 172	43 936	589 998	1 939 575	2 363 505	4 325 914	118 797
3211	Sawmills and wood preservation . . . . .	2	158	36	2 758	72 589	2 260	4 231	53 032	219 015	388 046	602 236	10 232
32111	Sawmills and wood preservation . . . . .	2	158	36	2 758	72 589	2 260	4 231	53 032	219 015	388 046	602 236	10 232
321113	Sawmills . . . . .	2	143	30	2 488	63 578	2 062	3 835	47 797	179 229	269 282	443 931	9 118
321114	Wood preservation . . . . .	2	15	6	270	9 011	198	396	5 235	39 786	118 764	158 305	1 114
3212	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	62	40	3 835	125 449	3 076	6 253	87 642	294 639	313 846	613 751	18 199
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	62	40	3 835	125 449	3 076	6 253	87 642	294 639	313 846	613 751	18 199
321211	Hardwood veneer and plywood manufacturing . . . . .	2	24	13	g	D	D	D	D	D	D	D	9 935
321214	Truss manufacturing . . . . .	—	27	20	1 577	51 196	1 180	2 510	33 680	111 339	91 727	202 854	4 201
321219	Reconstituted wood product manufacturing . . . . .	1	10	7	816	33 053	640	1 297	23 815	93 447	124 708	216 455	D
3219	Other wood product manufacturing . . . . .	2	450	165	22 757	661 996	17 836	33 452	449 324	1 425 921	1 661 613	3 109 927	90 366
32191	Millwork . . . . .	2	184	75	13 843	405 733	11 008	20 468	281 658	926 984	1 083 991	2 010 596	52 433
321911	Wood window and door manufacturing . . . . .	2	61	32	10 702	314 273	8 438	15 636	217 169	730 397	760 063	1 494 053	36 561
321912	Cut stock, resawing lumber, and planing . . . . .	1	47	19	1 286	39 536	1 067	2 156	28 636	80 690	175 755	255 413	7 052
321918	Other millwork (including flooring) . . . . .	1	76	24	1 855	51 924	1 503	2 676	35 853	115 897	148 173	261 130	8 820
32192	Wood container and pallet manufacturing . . . . .	1	140	39	2 332	54 236	1 919	3 580	38 428	119 096	111 575	231 549	5 608
321920	Wood container and pallet manufacturing . . . . .	1	140	39	2 332	54 236	1 919	3 580	38 428	119 096	111 575	231 549	5 608
32199	All other wood product manufacturing . . . . .	1	126	51	6 582	202 027	4 909	9 404	129 238	379 841	466 047	867 782	32 325
321991	Manufactured home (mobile home) manufacturing . . . . .	1	8	4	932	27 356	780	1 354	19 906	64 037	72 115	136 096	D
321992	Prefabricated wood building manufacturing . . . . .	—	22	15	1 940	64 478	1 228	2 589	33 303	127 693	173 464	303 189	D
321999	All other miscellaneous wood product manufacturing . . . . .	1	96	32	3 710	110 193	2 901	5 461	76 029	188 111	220 468	428 497	16 333
322	Paper manufacturing . . . . .	—	246	182	38 008	1 753 174	29 874	61 085	1 264 748	7 406 066	6 255 806	13 585 572	415 335
3221	Pulp, paper, and paperboard mills . . . . .	—	45	44	18 824	969 638	15 378	31 212	752 307	4 641 950	3 258 552	7 815 137	285 822
32211	Pulp mills . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
322110	Pulp mills . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
32212	Paper mills . . . . .	—	35	34	17 310	894 888	14 192	28 766	698 250	4 313 549	2 948 056	7 174 297	268 715
322121	Paper (except newsprint) mills . . . . .	—	35	34	17 310	894 888	14 192	28 766	698 250	4 313 549	2 948 056	7 174 297	268 715
32213	Paperboard mills . . . . .	1	8	8	g	D	D	D	D	D	D	D	D
322130	Paperboard mills . . . . .	1	8	8	g	D	D	D	D	D	D	D	D

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>WISCONSIN—Con.</b>													
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing .....	—	201	138	19 184	783 536	14 496	29 873	512 441	2 764 116	2 997 254	5 770 435	129 513
32221	Paperboard container manufacturing .....	—	83	60	6 712	281 235	4 960	10 266	179 651	722 591	964 764	1 689 303	56 390
322211	Corrugated and solid fiber box manufacturing .....	—	53	37	4 380	182 223	3 099	6 369	108 161	458 126	657 375	1 113 828	29 423
322212	Folding paperboard box manufacturing .....	—	12	11	1 419	63 740	1 165	2 613	47 641	179 672	185 309	359 626	10 977
322214	Fiber can, tube, drum, and similar products manufacturing .....	1	14	9	678	26 592	543	1 012	19 929	68 530	81 996	148 994	D
322215	Nonfolding sanitary food container manufacturing ...	—	1	1	c	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	39	26	3 913	176 335	2 819	5 904	109 160	597 260	879 907	1 485 154	22 899
322221	Coated and laminated packaging paper and plastics film manufacturing .	2	8	4	350	14 514	226	495	7 894	40 115	60 544	100 593	11 234
322222	Coated and laminated paper manufacturing .....	—	21	14	3 001	137 818	2 201	4 622	88 452	498 035	724 597	1 230 611	9 568
322224	Uncoated paper and multiwall bag manufacturing .....	3	4	3	196	6 054	168	324	4 436	10 934	25 281	35 747	462
322225	Laminated aluminum foil manufacturing for flexible packaging uses .....	—	2	2	c	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing .....	—	3	2	126	5 956	80	151	2 491	20 810	43 321	64 565	D
32223	Stationery product manufacturing .....	—	23	13	1 699	63 826	1 275	2 599	40 553	134 312	191 527	324 677	4 200
322231	Die-cut paper and paperboard office supplies manufacturing .....	1	9	5	461	12 743	354	674	8 242	30 389	55 585	86 168	960
322232	Envelope manufacturing .....	—	9	5	979	41 273	725	1 505	25 852	79 735	96 737	179 995	1 602
322233	Stationery, tablet, and related product manufacturing .....	—	5	3	259	9 810	196	420	6 459	24 188	39 205	58 514	1 638
32229	Other converted paper product manufacturing .....	1	56	39	6 860	262 140	5 442	11 104	183 077	1 309 953	961 056	2 271 301	46 024
322291	Sanitary paper product manufacturing .....	—	27	24	5 033	198 259	4 018	8 101	145 317	1 170 009	808 369	1 978 114	33 557
322299	All other converted paper product manufacturing .....	3	29	15	1 827	63 881	1 424	3 003	37 760	139 944	152 687	293 187	12 467
323	Printing and related support activities .....	1	'989	'262	'35 634	'1 239 960	'26 581	'48 618	'812 502	'3 007 917	'1 938 777	'4 950 824	'218 494
3231	Printing and related support activities .....	1	'989	'262	'35 634	'1 239 960	'26 581	'48 618	'812 502	'3 007 917	'1 938 777	'4 950 824	'218 494
32311	Printing .....	1	'900	'230	'33 410	'1 154 558	'24 916	'45 588	'756 626	'2 845 191	'1 889 852	'4 738 809	'207 134
323110	Commercial lithographic printing .....	—	400	120	17 595	615 010	13 045	24 048	405 107	1 486 593	800 796	2 287 321	139 218
323111	Commercial gravure printing .	—	13	4	2 000	73 667	1 808	3 640	65 898	279 707	251 342	532 058	10 106
323112	Commercial flexographic printing .....	2	46	26	3 660	135 180	2 716	4 571	87 219	371 179	339 589	708 124	22 876
323113	Commercial screen printing ..	2	'143	'37	'4 821	'147 623	'3 532	'6 261	'84 525	'301 799	'222 624	'525 102	'12 651
323114	Quick printing .....	2	171	11	1 130	32 642	737	1 246	18 167	66 758	28 744	95 480	3 376
323115	Digital printing .....	—	33	6	e	D	D	D	D	D	D	D	2 508
323116	Manifold business forms printing .....	1	16	9	597	19 688	479	1 030	15 384	80 292	61 701	144 984	3 694
323117	Books printing .....	—	20	8	2 340	90 974	1 760	3 248	58 384	174 389	131 593	307 798	10 350
323118	Blankbook, looseleaf binders, and devices manufacturing .	8	4	3	e	D	D	D	D	D	D	D	D
323119	Other commercial printing ...	1	'54	'6	'576	'17 880	'398	'697	'11 164	'35 115	'19 464	'54 621	D
32312	Support activities for printing ...	2	89	32	2 224	85 402	1 665	3 030	55 876	162 726	48 925	212 015	11 360
323121	Tradebinding and related work .....	4	27	11	763	22 478	636	1 199	16 800	44 741	16 423	61 790	1 709
323122	Prepress services .....	—	62	21	1 461	62 924	1 029	1 831	39 076	117 985	32 502	150 225	9 651
324	Petroleum and coal products manufacturing .....	1	22	10	656	27 755	324	633	14 464	96 489	363 745	448 555	7 727
3241	Petroleum and coal products manufacturing .....	1	22	10	656	27 755	324	633	14 464	96 489	363 745	448 555	7 727
32411	Petroleum refineries .....	—	2	1	c	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	2	1	c	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	4	12	4	c	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing .....	—	9	2	116	4 550	59	106	2 249	11 932	28 365	39 570	731
32419	Other petroleum and coal products manufacturing .....	4	8	5	c	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing .....	2	6	4	175	8 279	57	114	1 782	22 384	21 102	43 498	1 062
325	Chemical manufacturing .....	1	327	121	12 291	607 605	6 839	13 609	284 560	3 878 249	2 685 680	6 556 578	148 008
3251	Basic chemical manufacturing ...	2	44	20	1 995	102 198	1 337	2 759	71 579	389 175	476 178	852 622	31 714
32518	Other basic inorganic chemical manufacturing .....	—	13	3	217	11 655	166	355	7 086	70 691	70 257	144 658	7 806
325188	All other basic inorganic chemical manufacturing ....	—	13	3	217	11 655	166	355	7 086	70 691	70 257	144 658	7 806
32519	Other basic organic chemical manufacturing .....	3	21	14	1 626	81 949	1 082	2 226	60 428	258 368	374 356	616 514	21 792
325199	All other basic organic chemical manufacturing .....	3	16	13	1 555	78 339	1 030	2 113	57 985	239 931	347 887	570 339	20 286

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NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
325	Chemical manufacturing—Con.												
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	24	13	1 054	45 813	675	1 321	24 934	126 453	175 737	304 171	9 170
32521	Resin and synthetic rubber manufacturing .....	—	24	13	1 054	45 813	675	1 321	24 934	126 453	175 737	304 171	9 170
325211	Plastics material and resin manufacturing .....	—	21	12	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	2	23	9	434	17 553	204	416	6 154	56 876	61 086	112 898	3 485
32531	Fertilizer manufacturing .....	2	17	5	186	5 650	93	185	2 828	16 804	36 686	51 011	1 187
325314	Fertilizer (mixing only) manufacturing .....	2	15	5	c	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing .....	2	6	4	248	11 903	111	231	3 326	40 072	24 400	61 887	2 298
325320	Pesticide and other agricultural chemical manufacturing .....	2	6	4	248	11 903	111	231	3 326	40 072	24 400	61 887	2 298
3254	Pharmaceutical and medicine manufacturing .....	3	35	17	1 937	97 146	911	1 704	35 310	327 475	151 914	466 788	38 531
32541	Pharmaceutical and medicine manufacturing .....	3	35	17	1 937	97 146	911	1 704	35 310	327 475	151 914	466 788	38 531
325411	Medicinal and botanical manufacturing .....	3	7	4	231	10 672	164	264	6 316	31 899	15 173	45 335	17 056
325412	Pharmaceutical preparation manufacturing .....	3	10	4	523	25 474	304	591	10 573	116 807	70 233	176 279	10 582
325413	In-vitro diagnostic substance manufacturing .....	3	7	4	231	10 142	97	226	3 713	37 168	10 603	45 118	1 050
325414	Biological product (except diagnostic) manufacturing ..	2	11	5	952	50 858	346	623	14 708	141 601	55 905	200 056	9 843
3255	Paint, coating, and adhesive manufacturing .....	—	55	19	2 158	98 966	1 053	1 933	37 144	355 375	384 934	774 920	18 570
32551	Paint and coating manufacturing .....	—	41	15	1 889	84 607	890	1 635	30 406	295 772	306 918	636 027	17 656
325510	Paint and coating manufacturing .....	—	41	15	1 889	84 607	890	1 635	30 406	295 772	306 918	636 027	17 656
32552	Adhesive manufacturing .....	—	14	4	269	14 359	163	298	6 738	59 603	78 016	138 893	914
325520	Adhesive manufacturing .....	—	14	4	269	14 359	163	298	6 738	59 603	78 016	138 893	914
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	66	21	3 630	200 065	2 002	4 148	88 007	2 403 812	1 254 950	3 644 979	39 628
32561	Soap and cleaning compound manufacturing .....	—	54	19	3 440	193 080	1 854	3 913	84 085	2 358 650	1 237 530	3 581 325	38 543
325611	Soap and other detergent manufacturing .....	3	25	6	e	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	—	25	11	2 958	171 610	1 520	3 264	71 077	2 263 024	1 140 748	3 389 298	35 082
325613	Surface active agent manufacturing .....	5	4	2	c	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	6	12	2	190	6 985	148	235	3 922	45 162	17 420	63 654	1 085
325620	Toilet preparation manufacturing .....	6	12	2	190	6 985	148	235	3 922	45 162	17 420	63 654	1 085
3259	Other chemical product and preparation manufacturing .....	3	80	22	1 083	45 864	657	1 328	21 432	219 083	180 881	400 200	6 910
32591	Printing ink manufacturing .....	5	16	7	365	16 886	222	451	8 636	75 694	51 275	127 521	2 056
325910	Printing ink manufacturing .....	5	16	7	365	16 886	222	451	8 636	75 694	51 275	127 521	2 056
32599	All other chemical product and preparation manufacturing ..	2	64	15	718	28 978	435	877	12 796	143 389	129 606	272 679	4 854
325991	Custom compounding of purchased resins .....	1	30	9	376	14 236	245	499	5 658	48 357	49 948	97 709	2 649
325998	All other miscellaneous chemical product and preparation manufacturing ..	2	27	5	304	13 115	171	340	6 502	89 859	77 069	167 208	2 061
326	Plastics and rubber products manufacturing .....	1	457	264	30 792	1 064 757	23 937	46 405	707 224	2 922 448	2 700 080	5 601 497	232 290
3261	Plastics product manufacturing ..	1	415	237	27 399	936 961	21 445	41 444	627 928	2 542 020	2 445 795	4 968 906	217 377
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	73	49	7 316	285 220	5 738	11 424	202 815	910 181	1 045 158	1 950 269	80 418
326111	Plastics bag manufacturing ..	1	16	12	1 857	52 238	1 401	2 459	27 722	118 105	124 318	245 341	13 970
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	1	30	25	4 127	178 850	3 328	6 897	138 866	620 972	689 564	1 301 618	55 568
326113	Un laminated plastics film and sheet (except packaging) manufacturing .....	2	27	12	1 332	54 132	1 009	2 068	36 227	171 104	231 276	403 310	10 880
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing .....	2	30	21	1 757	56 532	1 402	2 673	37 225	138 478	113 641	248 230	11 252
326121	Un laminated plastics profile shape manufacturing .....	3	23	16	1 447	46 024	1 183	2 224	30 992	99 789	61 823	161 816	10 337
326122	Plastics pipe and pipe fitting manufacturing .....	—	7	5	310	10 508	219	449	6 233	38 689	51 818	86 414	915



**Table 1. Industry Statistics for the State: 2002—Con.**

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NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing .....	1	7	1	139	5 219	116	265	4 160	8 586	5 772	14 387	88
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	1	7	1	139	5 219	116	265	4 160	8 586	5 772	14 387	88
32614	Polystyrene foam product manufacturing .....	1	11	10	894	27 955	700	1 342	17 853	92 448	64 334	155 092	2 721
326140	Polystyrene foam product manufacturing .....	1	11	10	894	27 955	700	1 342	17 853	92 448	64 334	155 092	2 721
32615	Urethane and other foam product (except polystyrene) manufacturing .....	2	13	6	814	25 543	658	1 236	16 534	53 311	97 822	151 026	3 141
326150	Urethane and other foam product (except polystyrene) manufacturing .....	2	13	6	814	25 543	658	1 236	16 534	53 311	97 822	151 026	3 141
32616	Plastics bottle manufacturing ..	—	8	8	638	21 048	498	1 054	14 330	62 717	50 593	111 228	9 041
326160	Plastics bottle manufacturing .....	—	8	8	638	21 048	498	1 054	14 330	62 717	50 593	111 228	9 041
32619	Other plastics product manufacturing .....	1	273	142	15 841	515 444	12 333	23 450	335 011	1 276 299	1 068 475	2 338 674	110 716
326191	Plastics plumbing fixture manufacturing .....	2	7	1	112	3 792	93	188	2 770	7 076	2 934	10 036	223
326199	All other plastics product manufacturing .....	1	266	141	15 729	511 652	12 240	23 262	332 241	1 269 223	1 065 541	2 328 638	110 493
3262	Rubber product manufacturing ...	1	42	27	3 393	127 796	2 492	4 961	79 296	380 428	254 285	632 591	14 913
32621	Tire manufacturing .....	—	8	2	c	D	D	D	D	D	D	D	1 131
326212	Tire retreading .....	—	7	2	113	4 276	37	80	1 068	8 965	16 081	23 812	D
32622	Rubber and plastics hoses and belting manufacturing .....	2	3	2	e	D	D	D	D	D	D	D	1 085
326220	Rubber and plastics hoses and belting manufacturing ..	2	3	2	e	D	D	D	D	D	D	D	1 085
32629	Other rubber product manufacturing .....	—	31	23	2 822	104 214	2 075	4 124	63 120	322 145	184 688	506 570	12 697
326291	Rubber product manufacturing for mechanical use .....	2	10	8	1 127	43 373	833	1 805	25 732	97 742	66 040	164 093	4 503
326299	All other rubber product manufacturing .....	—	21	15	1 695	60 841	1 242	2 319	37 388	224 403	118 648	342 477	8 194
327	Nonmetallic mineral product manufacturing .....	1	376	106	10 859	386 667	8 576	17 229	277 616	1 456 767	942 977	2 394 812	88 051
3271	Clay product and refractory manufacturing .....	1	27	5	801	29 701	665	1 517	23 721	91 911	26 479	118 390	2 795
32711	Pottery, ceramics, and plumbing fixture manufacturing .....	1	24	4	761	28 210	635	1 454	22 720	88 982	24 686	113 668	2 663
327111	Vitreous china and earthenware plumbing fixture and accessories mfg .....	—	1	1	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, and other pottery product manufacturing .....	8	20	3	c	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	—	47	15	3 140	101 709	2 691	5 232	78 164	372 913	329 033	698 629	22 852
32721	Glass and glass product manufacturing .....	—	47	15	3 140	101 709	2 691	5 232	78 164	372 913	329 033	698 629	22 852
327211	Flat glass manufacturing ....	—	2	2	e	D	D	D	D	D	D	D	D
327213	Glass container manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	36	11	2 329	70 980	2 014	3 829	54 664	225 811	262 475	481 136	14 282
3273	Cement and concrete product manufacturing .....	2	224	66	4 466	174 604	3 351	7 015	120 120	462 197	382 880	841 866	44 322
32732	Ready-mix concrete manufacturing .....	1	132	37	2 199	85 282	1 764	3 626	64 639	238 431	226 800	462 463	32 260
327320	Ready-mix concrete manufacturing .....	1	132	37	2 199	85 282	1 764	3 626	64 639	238 431	226 800	462 463	32 260
32733	Concrete pipe, brick, and block manufacturing .....	2	27	13	682	27 748	452	948	15 198	78 868	48 819	126 707	2 916
327331	Concrete block and brick manufacturing .....	3	22	8	477	18 503	311	636	9 693	53 962	35 576	88 312	2 338
327332	Concrete pipe manufacturing .....	—	5	5	205	9 245	141	312	5 505	24 906	13 243	38 395	578
32739	Other concrete product manufacturing .....	3	60	16	1 560	60 331	1 116	2 401	39 437	137 266	103 484	241 287	8 736
327390	Other concrete product manufacturing .....	3	60	16	1 560	60 331	1 116	2 401	39 437	137 266	103 484	241 287	8 736
3274	Lime and gypsum product manufacturing .....	3	9	4	188	7 750	155	320	5 845	23 508	21 561	45 048	1 632
32741	Lime manufacturing .....	2	4	4	160	6 583	132	270	4 957	19 690	16 704	36 374	1 526
327410	Lime manufacturing .....	2	4	4	160	6 583	132	270	4 957	19 690	16 704	36 374	1 526

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
327	Nonmetallic mineral product manufacturing—Con.												
3279	Other nonmetallic mineral product manufacturing .....	—	69	16	2 264	72 903	1 714	3 145	49 766	506 238	183 024	690 879	16 450
32791	Abrasive product manufacturing .....	—	9	6	g	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing .....	—	9	6	g	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing .....	1	60	10	f	D	D	D	D	D	D	D	D
327991	Cut stone and stone product manufacturing .....	—	27	6	386	12 904	276	573	8 104	37 467	12 184	48 558	1 614
327993	Mineral wool manufacturing .....	2	15	3	368	14 017	301	644	10 318	32 865	28 864	61 554	901
327999	All other miscellaneous nonmetallic mineral product manufacturing .....	3	10	1	122	4 572	82	171	2 585	19 061	10 700	30 099	717
331	Primary metal manufacturing .....	—	'181	124	'23 515	'876 668	'19 180	'39 703	'653 571	'2 212 845	'1 857 843	'4 044 341	'150 560
3311	Iron and steel mills and ferroalloy manufacturing .....	5	5	4	148	5 929	114	231	3 856	14 635	18 764	32 955	1 061
33111	Iron and steel mills and ferroalloy manufacturing .....	5	5	4	148	5 929	114	231	3 856	14 635	18 764	32 955	1 061
331111	Iron and steel mills .....	3	4	3	c	D	D	D	D	D	D	D	1 061
3312	Steel product manufacturing from purchased steel .....	—	17	15	1 735	69 611	1 288	2 586	47 883	162 181	237 956	397 027	8 761
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	1	9	8	1 195	50 226	845	1 672	33 418	121 928	146 164	266 324	5 486
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	1	9	8	1 195	50 226	845	1 672	33 418	121 928	146 164	266 324	5 486
33122	Rolling and drawing of purchased steel .....	—	8	7	540	19 385	443	914	14 465	40 253	91 792	130 703	3 275
331221	Rolled steel shape manufacturing .....	—	3	3	294	8 953	242	477	6 967	25 496	57 391	82 388	D
331222	Steel wire drawing .....	—	5	4	246	10 432	201	437	7 498	14 757	34 401	48 315	D
3313	Alumina and aluminum production and processing .....	—	6	4	765	24 677	590	1 083	15 852	55 883	78 347	133 997	4 557
33131	Alumina and aluminum production and processing .....	—	6	4	765	24 677	590	1 083	15 852	55 883	78 347	133 997	4 557
331316	Aluminum extruded product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
331319	Other aluminum rolling and drawing .....	—	1	1	c	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	'15	4	'1 146	'29 999	'755	'1 702	'18 391	'171 844	'225 684	'375 471	'19 210
33142	Copper rolling, drawing, extruding, and alloying .....	—	3	2	e	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	—	3	2	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	—	'12	2	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	—	'9	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	138	97	19 721	746 452	16 433	34 101	567 589	1 808 302	1 297 092	3 104 891	116 971
33151	Ferrous metal foundries .....	—	61	52	11 076	428 077	9 157	18 589	318 129	1 041 758	662 726	1 703 402	75 758
331511	Iron foundries .....	—	37	32	8 079	317 386	6 839	14 161	247 753	806 200	547 886	1 352 002	59 232
331512	Steel investment foundries ..	—	11	10	1 411	44 144	1 153	2 173	29 929	104 065	44 661	148 596	10 855
331513	Steel foundries (except investment) .....	1	13	10	1 586	66 547	1 165	2 255	40 447	131 493	70 179	202 804	5 671
33152	Nonferrous metal foundries .....	—	77	45	8 645	318 375	7 276	15 512	249 460	766 544	634 366	1 401 489	41 213
331521	Aluminum die-casting foundries .....	—	22	16	3 386	134 328	2 869	6 291	108 430	333 760	329 778	665 531	24 288
331522	Nonferrous (except aluminum) die-casting foundries .....	1	9	4	161	6 316	138	260	5 043	15 875	8 139	23 795	D
331524	Aluminum foundries (except die-casting) .....	—	27	17	4 302	150 667	3 588	7 621	115 961	349 595	255 731	604 149	13 144
331525	Copper foundries (except die-casting) .....	—	15	8	762	25 478	657	1 284	19 044	63 439	37 779	101 216	2 777
332	Fabricated metal product manufacturing .....	1	'1 969	'656	'63 476	'2 367 279	'47 219	'91 956	'1 513 408	'5 631 624	'4 180 229	'9 891 693	'319 217
3321	Forging and stamping .....	1	114	73	7 154	280 485	5 336	10 723	178 088	611 233	515 695	1 129 457	42 150
33211	Forging and stamping .....	1	114	73	7 154	280 485	5 336	10 723	178 088	611 233	515 695	1 129 457	42 150
332111	Iron and steel forging .....	—	11	7	1 550	68 284	1 143	2 161	47 310	130 485	142 260	274 480	12 379
332112	Nonferrous forging .....	—	1	1	c	D	D	D	D	D	D	D	D
332114	Custom roll forming .....	—	11	5	e	D	D	D	D	D	D	D	D
332116	Metal stamping .....	2	84	54	4 468	168 868	3 400	6 827	101 800	352 557	243 290	597 309	17 139
332117	Powder metallurgy part manufacturing .....	—	5	5	627	24 621	400	897	15 344	73 157	35 868	109 293	D

**Table 1. Industry Statistics for the State: 2002—Con.**

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3322	Cutlery and handtool manufacturing .....	—	49	18	4 082	155 049	3 077	5 349	96 433	509 158	314 975	834 614	22 680
33221	Cutlery and handtool manufacturing .....	—	49	18	4 082	155 049	3 077	5 349	96 433	509 158	314 975	834 614	22 680
332211	Cutlery and flatware (except precious) manufacturing ...	3	6	2	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing .....	—	34	11	g	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	—	5	5	1 957	75 079	1 500	2 462	47 622	270 492	183 203	462 692	9 525
3323	Architectural and structural metals manufacturing .....	—	'331	'128	'12 524	'454 179	'8 931	'17 833	'280 713	'968 632	'915 233	'1 901 771	'53 996
33231	Plate work and fabricated structural product manufacturing .....	1	158	59	4 256	152 631	2 955	5 768	92 627	328 911	326 625	658 501	27 511
332311	Prefabricated metal building and component manufacturing .....	—	16	8	606	22 706	360	797	11 440	60 045	70 793	130 308	1 562
332312	Fabricated structural metal manufacturing .....	1	86	30	2 074	78 141	1 404	2 648	46 232	172 720	177 293	352 527	21 674
332313	Plate work manufacturing ...	1	56	21	1 576	51 784	1 191	2 323	34 955	96 146	78 539	175 666	4 275
33232	Ornamental and architectural metal products manufacturing .....	—	'173	'69	'8 268	'301 548	'5 976	'12 065	'188 086	'639 721	'588 608	'1 243 270	'26 485
332321	Metal window and door manufacturing .....	—	38	21	2 546	91 941	1 839	3 908	56 595	209 382	217 781	427 986	7 695
332322	Sheet metal work manufacturing .....	—	'93	'40	'4 916	'181 945	'3 637	'7 284	'117 891	'362 189	'310 742	'680 619	'16 209
332323	Ornamental and architectural metal work manufacturing ..	—	42	8	806	27 662	500	873	13 600	68 150	60 085	134 665	2 581
3324	Boiler, tank, and shipping container manufacturing .....	1	'66	'38	'4 218	'175 656	'3 179	'6 518	'121 932	'464 407	'614 064	'1 090 733	'20 202
33241	Power boiler and heat exchanger manufacturing ....	4	13	7	785	29 900	555	1 042	17 094	74 946	36 705	112 178	1 291
332410	Power boiler and heat exchanger manufacturing ..	4	13	7	785	29 900	555	1 042	17 094	74 946	36 705	112 178	1 291
33242	Metal tank (heavy gauge) manufacturing .....	2	'29	'17	'1 791	'71 002	'1 227	'2 424	'44 632	'134 934	'110 199	'244 659	'4 785
332420	Metal tank (heavy gauge) manufacturing .....	2	'29	'17	'1 791	'71 002	'1 227	'2 424	'44 632	'134 934	'110 199	'244 659	'4 785
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	24	14	1 642	74 754	1 397	3 052	60 206	254 527	467 160	733 896	14 126
332431	Metal can manufacturing ....	—	12	12	1 495	69 790	1 272	2 782	56 760	243 387	460 431	715 987	13 967
332439	Other metal container manufacturing .....	3	12	2	147	4 964	125	270	3 446	11 140	6 729	17 909	159
3325	Hardware manufacturing .....	—	27	13	2 342	111 168	1 530	2 957	55 375	351 617	221 089	589 160	11 596
33251	Hardware manufacturing .....	—	27	13	2 342	111 168	1 530	2 957	55 375	351 617	221 089	589 160	11 596
332510	Hardware manufacturing ....	—	27	13	2 342	111 168	1 530	2 957	55 375	351 617	221 089	589 160	11 596
3326	Spring and wire product manufacturing .....	2	55	26	2 005	67 416	1 584	2 973	45 094	173 932	85 896	254 295	23 509
33261	Spring and wire product manufacturing .....	2	55	26	2 005	67 416	1 584	2 973	45 094	173 932	85 896	254 295	23 509
332612	Spring (light gauge) manufacturing .....	1	10	7	f	D	D	D	D	D	D	D	19 540
332618	Other fabricated wire product manufacturing .....	2	44	19	1 184	38 397	927	1 832	24 910	111 539	50 769	157 465	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'858	'206	'16 135	'597 749	'12 061	'23 165	'384 952	'1 234 676	'867 029	'2 104 451	'85 766
33271	Machine shops .....	1	'714	'148	'11 974	'444 188	'8 787	'16 867	'279 827	'870 984	'617 641	'1 495 731	'57 609
332710	Machine shops .....	1	'714	'148	'11 974	'444 188	'8 787	'16 867	'279 827	'870 984	'617 641	'1 495 731	'57 609
33272	Turned product and screw, nut, and bolt manufacturing .....	1	144	58	4 161	153 561	3 274	6 298	105 125	363 692	249 388	608 720	28 157
332721	Precision turned product manufacturing .....	—	113	44	2 895	108 583	2 254	4 409	73 470	224 625	115 657	339 985	19 483
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	1	31	14	1 266	44 978	1 020	1 889	31 655	139 067	133 731	268 735	8 674
3328	Coating, engraving, heat treating, and allied activities .....	1	228	73	6 399	203 473	5 059	9 775	140 437	385 673	149 568	535 389	16 489
33281	Coating, engraving, heat treating, and allied activities ..	1	228	73	6 399	203 473	5 059	9 775	140 437	385 673	149 568	535 389	16 489
332811	Metal heat treating .....	2	39	16	870	33 977	689	1 408	24 636	91 874	25 010	117 058	4 498
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	93	31	3 222	95 872	2 526	4 573	65 801	165 740	81 324	246 941	8 127
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	96	26	2 307	73 624	1 844	3 794	50 000	128 059	43 234	171 390	3 864

**Table 1. Industry Statistics for the State: 2002—Con.**

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>WISCONSIN—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing .....	1	241	81	8 617	322 104	6 462	12 663	210 384	932 296	496 680	1 451 823	42 829
33291	Metal valve manufacturing ....	—	32	22	3 107	124 570	2 185	4 382	72 941	396 421	224 804	620 140	18 490
332911	Industrial valve manufacturing .....	—	9	7	1 008	36 198	722	1 431	21 276	158 685	65 040	224 570	D
332912	Fluid power valve and hose fitting manufacturing .....	—	16	10	1 683	70 809	1 232	2 507	43 967	186 315	113 880	298 014	10 289
332919	Other metal valve and pipe fitting manufacturing .....	—	4	4	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	1	209	59	5 510	197 534	4 277	8 281	137 443	535 875	271 876	831 683	24 339
332991	Ball and roller bearing manufacturing .....	—	2	1	c	D	D	D	D	D	D	D	D
332992	Small arms ammunition manufacturing .....	—	4	1	c	D	D	D	D	D	D	D	53
332993	Ammunition (except small arms) manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
332994	Small arms manufacturing...	1	8	2	117	3 205	96	220	2 331	9 250	2 804	11 761	328
332996	Fabricated pipe and pipe fitting manufacturing .....	4	23	9	933	32 444	731	1 496	21 095	78 302	58 987	136 918	2 642
332997	Industrial pattern manufacturing .....	—	53	11	916	32 905	805	1 321	27 214	54 545	14 347	70 060	4 277
332998	Enameled iron and metal sanitary ware manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	2	111	31	1 937	60 921	1 426	2 628	40 420	118 890	108 727	228 813	9 233
333	Machinery manufacturing .....	1	'1 219	'504	'65 468	'2 936 771	'40 550	'76 156	'1 540 928	'6 522 392	'6 683 920	'13 435 371	'345 484
3331	Agriculture, construction, and mining machinery manufacturing .....	—	119	66	12 778	608 649	8 010	14 587	340 372	1 566 506	2 117 913	3 723 560	87 213
33311	Agricultural implement manufacturing .....	—	60	30	6 389	304 038	4 399	8 455	182 778	791 517	1 184 865	1 995 373	D
333111	Farm machinery and equipment manufacturing ..	—	52	24	3 261	162 545	2 235	4 034	101 430	278 669	672 936	946 635	23 529
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	8	6	3 128	141 493	2 164	4 421	81 348	512 848	511 929	1 048 738	D
33312	Construction machinery manufacturing .....	—	53	32	5 989	287 563	3 398	5 773	147 718	744 317	907 251	1 673 468	37 233
333120	Construction machinery manufacturing .....	—	53	32	5 989	287 563	3 398	5 773	147 718	744 317	907 251	1 673 468	37 233
33313	Mining and oil and gas field machinery manufacturing ....	—	6	4	400	17 048	213	359	9 876	30 672	25 797	54 719	D
333131	Mining machinery and equipment manufacturing ..	—	5	4	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'205	'89	'8 890	'424 368	'4 866	'9 213	'192 556	'822 850	'687 378	'1 509 637	'31 758
33321	Sawmill and woodworking machinery manufacturing ....	—	'9	'5	'286	'9 889	'183	'297	'5 263	'20 820	'12 086	'33 322	'452
333210	Sawmill and woodworking machinery manufacturing ..	—	'9	'5	'286	'9 889	'183	'297	'5 263	'20 820	'12 086	'33 322	'452
33322	Plastics and rubber industry machinery manufacturing ....	2	18	9	546	23 246	354	754	11 992	64 954	26 782	88 053	2 353
333220	Plastics and rubber industry machinery manufacturing ..	2	18	9	546	23 246	354	754	11 992	64 954	26 782	88 053	2 353
33329	Other industrial machinery manufacturing .....	1	178	75	8 058	391 233	4 329	8 162	175 301	737 076	648 510	1 388 262	28 953
333291	Paper industry machinery manufacturing .....	—	47	28	3 967	208 124	1 865	3 721	82 412	378 344	380 623	758 906	14 468
333293	Printing machinery and equipment manufacturing ..	—	27	12	1 164	53 519	817	1 232	36 061	88 872	61 927	152 677	4 463
333294	Food product machinery manufacturing .....	2	49	23	1 815	80 336	1 055	2 060	37 338	176 508	130 131	308 487	6 430
333298	All other industrial machinery manufacturing .....	4	50	11	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	1	66	32	3 109	117 976	1 777	3 565	53 709	346 589	285 063	645 932	10 745
33331	Commercial and service industry machinery manufacturing .....	1	66	32	3 109	117 976	1 777	3 565	53 709	346 589	285 063	645 932	10 745
333311	Automatic vending machine manufacturing .....	—	3	2	c	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing .....	1	5	2	129	5 763	55	97	1 664	14 767	8 408	22 683	195
333315	Photographic and photocopying equipment manufacturing .....	3	10	2	158	4 874	117	129	2 875	12 596	10 642	23 042	407
333319	Other commercial and service industry machinery manufacturing .....	1	47	25	2 525	95 058	1 440	2 996	44 810	298 219	220 404	519 852	8 481

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NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
333 3334	Machinery manufacturing—Con. Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	62	35	6 997	279 508	4 177	7 925	130 535	649 143	665 274	1 315 158	25 460
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	62	35	6 997	279 508	4 177	7 925	130 535	649 143	665 274	1 315 158	25 460
333411	Air purification equipment manufacturing .....	—	12	7	997	41 805	626	1 270	20 177	91 741	72 445	167 235	1 486
333412	Industrial and commercial fan and blower manufacturing ..	—	6	4	487	16 420	397	640	11 875	71 441	33 706	103 499	374
333414	Heating equipment (except warm air furnaces) manufacturing .....	5	15	7	543	20 425	336	645	8 394	55 511	34 367	87 717	990
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	1	29	17	4 970	200 858	2 818	5 370	90 089	430 450	524 756	956 707	22 610
3335	Metalworking machinery manufacturing .....	2	428	123	9 874	440 348	6 687	13 271	259 568	760 195	415 835	1 217 912	52 752
33351	Metalworking machinery manufacturing .....	2	428	123	9 874	440 348	6 687	13 271	259 568	760 195	415 835	1 217 912	52 752
333511	Industrial mold manufacturing .....	—	125	32	2 476	113 118	1 923	3 812	82 394	209 399	71 387	280 375	18 016
333512	Machine tool (metal cutting types) manufacturing .....	1	29	17	1 275	58 836	720	1 398	27 444	109 488	94 113	204 078	4 381
333513	Machine tool (metal forming types) manufacturing .....	1	6	5	c	D	D	D	D	D	D	D	391
333514	Special die and tool, die set, jig, and fixture manufacturing .....	3	178	46	3 189	136 418	2 432	4 817	95 811	261 471	91 816	353 205	14 903
333515	Cutting tool and machine tool accessory manufacturing ..	1	70	17	2 039	90 459	1 092	2 237	37 112	131 556	107 369	263 932	13 807
333518	Other metalworking machinery manufacturing ..	2	19	5	736	34 433	421	781	13 033	32 128	41 680	91 508	1 254
3336	Engine, turbine, and power transmission equipment manufacturing .....	1	63	36	10 080	475 341	7 331	12 373	284 843	1 066 245	1 212 193	2 397 383	85 526
33361	Engine, turbine, and power transmission equipment manufacturing .....	1	63	36	10 080	475 341	7 331	12 373	284 843	1 066 245	1 212 193	2 397 383	85 526
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	21	9	1 854	79 000	1 222	2 156	45 821	145 878	93 339	244 424	7 155
333613	Mechanical power transmission equipment manufacturing .....	—	24	16	2 238	100 348	1 671	3 191	66 112	258 408	160 547	420 148	10 693
333618	Other engine equipment manufacturing .....	1	18	11	5 988	295 993	4 438	7 026	172 910	661 959	958 307	1 732 811	67 678
3339	Other general purpose machinery manufacturing .....	2	276	123	13 740	590 581	7 702	15 222	279 345	1 310 864	1 300 264	2 625 789	52 030
33391	Pump and compressor manufacturing .....	2	27	14	2 617	121 583	1 389	2 614	53 462	345 144	344 825	708 365	12 580
333911	Pump and pumping equipment manufacturing ..	2	19	10	1 963	95 675	1 064	2 098	44 842	259 786	270 794	550 050	8 612
333912	Air and gas compressor manufacturing .....	—	6	2	f	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing .....	5	2	2	c	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	3	79	40	3 232	133 868	1 845	3 689	59 829	233 197	224 881	452 167	14 445
333922	Conveyor and conveying equipment manufacturing ..	3	32	18	1 389	58 896	810	1 688	27 406	128 897	83 458	213 262	4 615
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	1	18	10	928	42 989	496	891	18 418	41 529	61 451	90 365	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	3	26	10	849	29 819	495	1 034	12 831	59 088	76 998	142 408	7 932
33399	All other general purpose machinery manufacturing ....	2	170	69	7 891	335 130	4 468	8 919	166 054	732 523	730 558	1 465 257	25 005
333991	Power-driven handtool manufacturing .....	8	4	2	189	7 727	156	348	4 906	6 017	30 853	37 206	D
333992	Welding and soldering equipment manufacturing ..	—	13	5	1 490	74 546	919	1 942	53 671	127 706	266 599	393 717	3 976
333993	Packaging machinery manufacturing .....	3	38	19	1 791	84 883	868	1 680	31 810	196 533	131 486	324 693	7 017
333994	Industrial process furnace and oven manufacturing ...	1	18	10	982	43 419	529	1 076	19 239	75 794	61 064	138 768	1 401
333995	Fluid power cylinder and actuator manufacturing ....	—	17	9	819	27 636	540	1 061	15 524	77 095	82 345	159 048	4 236
333996	Fluid power pump and motor manufacturing .....	—	7	4	613	26 195	253	565	9 053	64 508	29 547	96 639	2 480
333997	Scale and balance (except laboratory) manufacturing ..	—	7	2	495	16 653	282	577	7 360	41 335	30 633	72 471	D
333999	All other miscellaneous general purpose machinery manufacturing .....	5	66	18	1 512	54 071	921	1 670	24 491	143 535	98 031	242 715	3 865
334	Computer and electronic product manufacturing .....	—	294	138	18 427	803 156	10 332	19 953	335 855	2 549 497	2 473 122	4 995 108	105 480

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NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
334	Computer and electronic product manufacturing—Con.												
3341	Computer and peripheral equipment manufacturing .....	—	27	12	2 191	85 892	1 549	3 062	51 634	561 982	294 017	857 203	33 572
33411	Computer and peripheral equipment manufacturing ....	—	27	12	2 191	85 892	1 549	3 062	51 634	561 982	294 017	857 203	33 572
334111	Electronic computer manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	728
334112	Computer storage device manufacturing .....	—	4	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	14	7	920	38 101	606	1 006	19 852	345 459	132 863	477 609	D
3342	Communications equipment manufacturing .....	5	32	12	875	43 048	329	597	9 079	91 526	61 146	154 501	2 593
33421	Telephone apparatus manufacturing .....	6	9	5	498	27 224	120	231	3 257	58 986	32 741	93 610	1 209
334210	Telephone apparatus manufacturing .....	6	9	5	498	27 224	120	231	3 257	58 986	32 741	93 610	1 209
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	2	10	4	234	10 794	142	255	4 224	21 083	22 357	43 572	557
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	2	10	4	234	10 794	142	255	4 224	21 083	22 357	43 572	557
33429	Other communications equipment manufacturing ....	3	13	3	143	5 030	67	111	1 598	11 457	6 048	17 319	827
334290	Other communications equipment manufacturing ..	3	13	3	143	5 030	67	111	1 598	11 457	6 048	17 319	827
3343	Audio and video equipment manufacturing .....	—	11	4	327	9 759	208	423	3 430	32 206	23 627	58 425	1 283
33431	Audio and video equipment manufacturing .....	—	11	4	327	9 759	208	423	3 430	32 206	23 627	58 425	1 283
334310	Audio and video equipment manufacturing .....	—	11	4	327	9 759	208	423	3 430	32 206	23 627	58 425	1 283
3344	Semiconductor and other electronic component manufacturing .....	1	95	59	7 457	255 763	4 790	9 236	126 944	629 749	764 368	1 401 529	19 043
33441	Semiconductor and other electronic component manufacturing .....	1	95	59	7 457	255 763	4 790	9 236	126 944	629 749	764 368	1 401 529	19 043
334412	Bare printed circuit board manufacturing .....	6	14	9	1 523	53 087	1 139	2 272	32 925	100 126	64 796	163 888	3 362
334413	Semiconductor and related device manufacturing .....	6	8	5	412	19 242	183	325	5 898	51 297	16 860	68 689	D
334414	Electronic capacitor manufacturing .....	—	2	2	c	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing .....	2	10	4	352	11 808	231	440	4 574	21 673	15 632	37 874	313
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	27	17	3 422	117 199	2 057	4 123	57 031	186 803	592 567	784 859	4 890
334419	Other electronic component manufacturing .....	—	30	20	1 517	47 773	1 003	1 746	22 509	258 174	70 322	328 999	8 434
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	114	48	7 384	400 589	3 354	6 428	141 708	1 204 611	1 318 565	2 481 759	48 253
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	114	48	7 384	400 589	3 354	6 428	141 708	1 204 611	1 318 565	2 481 759	48 253
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	19	14	3 216	208 850	1 287	2 601	82 406	695 435	950 713	1 612 708	25 787
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	7	2	234	8 473	180	345	5 120	48 085	20 725	68 771	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	12	6	662	21 591	457	831	10 686	51 183	48 999	100 500	3 316
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	—	23	6	665	27 307	387	732	10 347	48 366	73 826	123 456	1 558
334514	Totalizing fluid meter and counting device manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	4	17	4	297	16 381	123	210	4 066	41 134	22 572	64 176	1 132
334516	Analytical laboratory instrument manufacturing ..	—	12	6	1 045	55 057	271	503	9 782	154 409	88 745	232 901	5 863
334517	Irradiation apparatus manufacturing .....	—	5	3	301	17 005	103	209	2 985	46 583	23 149	69 693	2 870
334519	Other measuring and controlling device manufacturing .....	—	12	4	323	10 563	231	472	5 266	40 569	22 849	63 550	3 118



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NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN—Con.</b>													
334	Computer and electronic product manufacturing—Con.												
3346	Manufacturing and reproducing magnetic and optical media.....	1	15	3	193	8 105	102	207	3 060	29 423	11 399	41 691	736
33461	Manufacturing and reproducing magnetic and optical media...	1	15	3	193	8 105	102	207	3 060	29 423	11 399	41 691	736
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	—	9	3	162	6 723	80	161	2 221	25 977	7 175	34 021	538
335	Electrical equipment, appliance, and component manufacturing .....	—	'208	117	'27 731	'1 086 624	'17 027	'30 276	'498 330	'3 471 248	'3 197 204	'6 681 308	'98 622
3351	Electric lighting equipment manufacturing .....	3	24	13	1 426	50 192	943	1 907	25 979	133 161	112 666	246 387	3 288
33512	Lighting fixture manufacturing ..	3	24	13	1 426	50 192	943	1 907	25 979	133 161	112 666	246 387	3 288
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	—	11	9	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing .....	5	10	3	770	26 360	553	1 123	15 467	64 781	84 399	149 385	1 923
3352	Household appliance manufacturing .....	—	12	10	4 278	166 875	3 152	6 166	105 329	752 345	539 912	1 292 007	16 920
33521	Small electrical appliance manufacturing .....	—	6	4	1 678	68 409	1 106	2 012	38 530	239 808	219 850	453 735	4 390
335211	Electric housewares and household fan manufacturing .....	—	6	4	1 678	68 409	1 106	2 012	38 530	239 808	219 850	453 735	4 390
33522	Major appliance manufacturing.	—	6	6	2 600	98 466	2 046	4 154	66 799	512 537	320 062	838 272	12 530
335221	Household cooking appliance manufacturing .....	—	1	1	c	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	115	64	17 075	682 202	9 626	15 924	270 168	1 693 214	2 004 620	3 713 891	60 291
33531	Electrical equipment manufacturing .....	—	115	64	17 075	682 202	9 626	15 924	270 168	1 693 214	2 004 620	3 713 891	60 291
335311	Power, distribution, and specialty transformer manufacturing .....	—	9	8	2 145	93 097	1 525	2 887	54 886	378 899	237 763	619 548	5 758
335312	Motor and generator manufacturing .....	—	39	27	5 794	192 877	4 006	7 178	100 732	540 955	629 299	1 168 893	14 097
335313	Switchgear and switchboard apparatus manufacturing ...	—	18	7	816	34 654	512	1 077	17 856	106 610	75 113	186 334	1 222
335314	Relay and industrial control manufacturing .....	—	49	22	8 320	361 574	3 583	4 782	96 694	666 750	1 062 445	1 739 116	39 214
3359	Other electrical equipment and component manufacturing .....	—	'57	30	'4 952	'187 355	'3 306	'6 279	'96 854	'892 528	'540 006	'1 429 023	'18 123
33591	Battery manufacturing .....	—	6	4	g	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing ..	—	'6	5	f	D	D	D	D	D	D	D	'3 062
335929	Other communication and energy wire manufacturing ..	—	'6	5	f	D	D	D	D	D	D	D	'3 062
33593	Wiring device manufacturing ...	—	13	8	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	—	10	6	1 242	51 517	670	1 159	21 670	144 238	130 658	271 955	3 595
335932	Noncurrent-carrying wiring device manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	—	32	13	1 559	58 309	943	1 886	24 458	140 225	129 233	270 426	4 442
335991	Carbon and graphite product manufacturing .....	—	3	3	487	17 865	371	744	10 113	39 333	28 284	66 445	1 295
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	29	10	1 072	40 444	572	1 142	14 345	100 892	100 949	203 981	3 147
336	Transportation equipment manufacturing .....	—	'285	'136	'37 131	'1 710 132	'29 178	'58 259	'1 239 018	'8 273 374	'9 568 151	'17 905 726	'300 680
3361	Motor vehicle manufacturing .....	—	7	3	i	D	D	D	D	D	D	D	5 564
33611	Automobile and light duty motor vehicle manufacturing .....	—	5	1	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	—	2	1	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>WISCONSIN—Con.</b>													
336	Transportation equipment manufacturing—Con.												
3362	Motor vehicle body and trailer manufacturing .....	—	'59	'23	'4 603	'170 534	'3 574	'7 228	'119 736	'344 425	'512 440	'846 366	'9 325
33621	Motor vehicle body and trailer manufacturing .....	—	'59	'23	'4 603	'170 534	'3 574	'7 228	'119 736	'344 425	'512 440	'846 366	'9 325
336211	Motor vehicle body manufacturing .....	—	'24	'14	'3 120	'124 198	'2 381	'4 782	'85 311	'263 902	'354 367	'605 539	'7 514
336212	Truck trailer manufacturing ..	1	16	3	1 015	32 976	814	1 794	24 653	48 169	117 135	168 089	D
336214	Travel trailer and camper manufacturing .....	1	18	6	e	D	D	D	D	D	D	D	918
3363	Motor vehicle parts manufacturing .....	—	141	74	17 091	753 878	13 429	26 745	526 870	2 788 413	2 423 639	5 162 267	136 427
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	28	11	4 691	233 474	3 874	7 457	177 254	561 398	701 773	1 236 442	76 206
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	6	5	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	—	22	6	h	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	25	9	h	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	—	1	1	c	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	—	24	8	2 406	115 984	1 433	2 957	53 596	437 948	417 196	841 020	8 921
33634	Motor vehicle brake system manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	—	13	5	738	27 571	605	920	20 643	97 450	20 182	117 497	D
336350	Motor vehicle transmission and power train parts manufacturing .....	—	13	5	738	27 571	605	920	20 643	97 450	20 182	117 497	D
33636	Motor vehicle seating and interior trim manufacturing .....	—	8	5	1 639	81 468	1 149	2 428	53 712	157 368	452 357	609 479	7 500
336360	Motor vehicle seating and interior trim manufacturing ..	—	8	5	1 639	81 468	1 149	2 428	53 712	157 368	452 357	609 479	7 500
33637	Motor vehicle metal stamping ..	2	17	12	1 353	38 580	1 093	2 086	26 580	100 041	82 375	181 812	5 188
336370	Motor vehicle metal stamping .....	2	17	12	1 353	38 580	1 093	2 086	26 580	100 041	82 375	181 812	5 188
33639	Other motor vehicle parts manufacturing .....	—	44	28	i	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	—	42	28	5 089	215 240	4 384	9 121	172 868	1 336 734	691 693	2 021 698	29 477
3364	Aerospace product and parts manufacturing .....	2	14	5	e	D	D	D	D	D	D	D	938
33641	Aerospace product and parts manufacturing .....	2	14	5	e	D	D	D	D	D	D	D	938
336412	Aircraft engine and engine parts manufacturing .....	3	5	2	c	D	D	D	D	D	D	D	506
336413	Other aircraft parts and auxiliary equipment manufacturing .....	—	6	2	c	D	D	D	D	D	D	D	388
3365	Railroad rolling stock manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	1 009
33651	Railroad rolling stock manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	1 009
336510	Railroad rolling stock manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	1 009
3366	Ship and boat building .....	—	32	12	h	D	D	D	D	D	D	D	6 143
33661	Ship and boat building .....	—	32	12	h	D	D	D	D	D	D	D	6 143
336611	Ship building and repairing ..	2	11	5	g	D	D	D	D	D	D	D	2 911
336612	Boat building .....	—	21	7	g	D	D	D	D	D	D	D	3 232
3369	Other transportation equipment manufacturing .....	—	25	15	4 998	225 163	3 670	7 227	151 453	709 550	1 007 615	1 796 710	141 274
33699	Other transportation equipment manufacturing .....	—	25	15	4 998	225 163	3 670	7 227	151 453	709 550	1 007 615	1 796 710	141 274
336991	Motorcycle, bicycle, and parts manufacturing .....	—	13	11	3 760	183 118	2 703	5 474	126 435	605 715	825 680	1 514 584	D
336999	All other transportation equipment manufacturing ..	—	11	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	580	145	17 495	565 652	12 872	25 684	346 449	1 274 984	1 049 977	2 336 368	70 127
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	437	82	10 493	318 688	7 964	16 183	196 718	693 971	596 337	1 295 103	47 084
33711	Wood kitchen cabinet and countertop manufacturing ....	1	254	35	3 328	98 626	2 509	4 831	64 738	196 091	115 252	313 682	18 370
337110	Wood kitchen cabinet and countertop manufacturing ..	1	254	35	3 328	98 626	2 509	4 831	64 738	196 091	115 252	313 682	18 370

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<b>WISCONSIN—Con.</b>													
337	Furniture and related product manufacturing—Con.												
3371	Household and institutional furniture and kitchen cabinet manufacturing—Con.												
33712	Household and institutional furniture manufacturing . . . . .	5	183	47	7 165	220 062	5 455	11 352	131 980	497 880	481 085	981 421	28 714
337121	Upholstered household furniture manufacturing . . . . .	4	30	5	600	15 623	497	990	11 258	29 673	26 562	56 263	1 532
337122	Nonupholstered wood household furniture manufacturing . . . . .	6	108	23	4 311	131 990	3 249	7 080	75 045	276 881	320 598	597 886	12 803
337125	Household furniture (except wood and metal) manufacturing . . . . .	3	6	3	400	9 845	356	529	7 297	37 378	26 599	62 008	1 993
337127	Institutional furniture manufacturing . . . . .	1	27	15	1 732	59 456	1 257	2 546	36 156	148 507	100 772	252 748	12 129
3372	Office furniture (including fixtures) manufacturing . . . . .	—	115	54	4 891	170 296	3 610	7 185	104 405	439 377	298 794	739 487	13 835
33721	Office furniture (including fixtures) manufacturing . . . . .	—	115	54	4 891	170 296	3 610	7 185	104 405	439 377	298 794	739 487	13 835
337211	Wood office furniture manufacturing . . . . .	3	14	5	417	13 243	335	612	8 662	25 742	15 756	41 752	692
337212	Custom architectural woodwork and millwork manufacturing . . . . .	—	43	18	1 216	45 262	847	1 773	26 730	89 236	64 886	154 386	3 884
337214	Office furniture (except wood) manufacturing . . . . .	—	9	6	1 537	53 140	1 231	2 451	35 290	210 926	129 298	340 338	4 983
337215	Showcase, partition, shelving, and locker manufacturing . . . . .	1	49	25	1 721	58 651	1 197	2 349	33 723	113 473	88 854	203 011	4 276
3379	Other furniture related product manufacturing . . . . .	1	28	9	2 111	76 668	1 298	2 316	45 326	141 636	154 846	301 778	9 208
33791	Mattress manufacturing . . . . .	2	15	4	450	17 560	292	593	8 442	109 195	77 943	186 911	D
337910	Mattress manufacturing . . . . .	2	15	4	450	17 560	292	593	8 442	109 195	77 943	186 911	D
33792	Blind and shade manufacturing . . . . .	1	13	5	1 661	59 108	1 006	1 723	36 884	32 441	76 903	114 867	D
337920	Blind and shade manufacturing . . . . .	1	13	5	1 661	59 108	1 006	1 723	36 884	32 441	76 903	114 867	D
339	Miscellaneous manufacturing . . . . .	1	'690	'184	'19 538	'681 240	'13 110	'25 472	'356 429	'1 845 029	'1 161 482	'3 002 395	'74 539
3391	Medical equipment and supplies manufacturing . . . . .	1	231	53	6 993	267 070	4 639	9 216	140 747	799 787	383 791	1 180 826	29 865
33911	Medical equipment and supplies manufacturing . . . . .	1	231	53	6 993	267 070	4 639	9 216	140 747	799 787	383 791	1 180 826	29 865
339111	Laboratory apparatus and furniture manufacturing . . . . .	—	15	6	1 933	73 710	1 350	2 803	43 417	165 248	111 515	276 430	7 157
339112	Surgical and medical instrument manufacturing . . . . .	—	27	14	1 735	83 907	904	1 842	31 683	355 460	175 217	529 255	13 853
339113	Surgical appliance and supplies manufacturing . . . . .	4	37	15	1 591	54 240	1 123	2 145	29 471	145 081	67 909	212 163	5 713
339114	Dental equipment and supplies manufacturing . . . . .	1	16	1	388	16 689	261	487	8 096	60 409	11 920	72 332	1 409
339116	Dental laboratories . . . . .	2	130	16	1 301	36 978	967	1 871	27 121	69 948	15 114	84 874	1 593
3399	Other miscellaneous manufacturing . . . . .	—	'459	'131	'12 545	'414 170	'8 471	'16 256	'215 682	'1 045 242	'777 691	'1 821 569	'44 674
33991	Jewelry and silverware manufacturing . . . . .	4	25	3	c	D	D	D	D	D	D	D	261
33992	Sporting and athletic goods manufacturing . . . . .	—	'75	22	'1 927	'56 352	'1 397	'2 482	'29 106	'185 177	'130 914	'314 737	'6 130
339920	Sporting and athletic goods manufacturing . . . . .	—	'75	22	'1 927	'56 352	'1 397	'2 482	'29 106	'185 177	'130 914	'314 737	'6 130
33993	Doll, toy, and game manufacturing . . . . .	—	14	4	e	D	D	D	D	D	D	D	1 034
339932	Game, toy, and children's vehicle manufacturing . . . . .	—	13	4	365	11 571	259	444	5 765	38 152	28 341	66 357	1 034
33994	Office supplies (except paper) manufacturing . . . . .	2	14	6	677	18 951	291	601	8 027	48 989	22 983	74 620	1 597
339943	Marking device manufacturing . . . . .	—	5	2	422	11 667	135	289	4 832	23 092	4 224	27 316	816
339944	Carbon paper and inked ribbon manufacturing . . . . .	9	2	1	c	D	D	D	D	D	D	D	D
33995	Sign manufacturing . . . . .	r	'148	'36	'3 115	'121 390	'1 856	'3 765	'52 362	'249 950	'208 510	'454 429	'12 134
339950	Sign manufacturing . . . . .	r	'148	'36	'3 115	'121 390	'1 856	'3 765	'52 362	'249 950	'208 510	'454 429	'12 134
33999	All other miscellaneous manufacturing . . . . .	—	183	60	6 293	200 976	4 562	8 752	117 801	513 593	378 885	893 945	23 518
339991	Gasket, packing, and sealing device manufacturing . . . . .	1	18	5	729	27 495	570	1 163	17 791	49 030	35 707	83 692	2 122
339992	Musical instrument manufacturing . . . . .	1	16	4	559	15 453	457	873	12 355	31 120	13 846	48 356	D
339993	Fastener, button, needle, and pin manufacturing . . . . .	—	4	3	c	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing . . . . .	1	12	7	1 026	34 266	800	1 637	21 838	99 414	67 379	168 257	2 668
339999	All other miscellaneous manufacturing . . . . .	—	131	41	3 731	115 788	2 543	4 752	61 250	317 407	254 434	569 639	17 023

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

## Table 1. Industry Statistics for the State: 2002—Con.

<sup>3</sup>Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c—100 to 249 employees; e—250 to 499 employees; f—500 to 999 employees; g—1,000 to 2,499 employees; h—2,500 to 4,999 employees; i—5,000 to 9,999 employees; j—10,000 to 24,999 employees; k—25,000 to 49,999 employees; l—50,000 to 99,999 employees; m—100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA</b>												
31-33	Manufacturing .....	-	700	316	48 003	1 943 311	34 520	68 188	1 257 366	5 411 203	6 496 779	11 923 502	370 493
311	Food manufacturing .....	-	71	35	4 553	149 818	3 597	6 655	107 751	424 756	912 525	1 345 423	52 835
3111	Animal food manufacturing .....	-	8	4	e	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	-	8	4	e	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	-	7	4	462	18 092	254	491	7 329	74 341	97 692	172 279	4 674
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	9	8	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	-	4	3	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	5	5	5	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .	5	5	5	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	15	10	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	-	15	10	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	12	8	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	6	2	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	6	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	7	10	4	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	9	9	3	e	D	D	D	D	D	D	D	D
313	Textile mills .....	-	6	3	f	D	D	D	D	D	D	D	D
3132	Fabric mills .....	-	5	3	f	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills .....	-	3	2	f	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills .....	-	3	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	37	20	1 410	42 568	1 096	2 009	27 216	92 539	130 296	222 692	6 014
3212	Veneer, plywood, and engineered wood product manufacturing ....	5	6	3	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	5	6	3	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	29	16	g	D	D	D	D	D	D	D	D
32191	Millwork .....	-	10	7	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	-	4	3	543	16 463	429	805	11 746	39 660	49 555	88 792	1 576
32192	Wood container and pallet manufacturing .....	1	14	7	e	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing .....	1	14	7	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	69	49	12 109	555 116	9 334	19 431	396 233	2 401 088	2 009 014	4 385 914	118 740
3221	Pulp, paper, and paperboard mills .....	-	13	13	5 362	274 866	4 127	8 810	205 825	1 105 619	910 721	1 992 797	D
32212	Paper mills .....	-	11	11	i	D	D	D	D	D	D	D	83 342
322121	Paper (except newsprint) mills .....	-	11	11	i	D	D	D	D	D	D	D	83 342
3222	Converted paper product manufacturing .....	-	56	36	6 747	280 250	5 207	10 621	190 408	1 295 469	1 098 293	2 393 117	D
32221	Paperboard container manufacturing .....	-	16	10	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	-	8	5	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, and similar products manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	9	5	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	-	8	4	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	-	23	17	3 775	142 283	2 938	5 916	99 121	821 358	492 754	1 318 144	19 436
322291	Sanitary paper product manufacturing .....	-	10	9	h	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	6	13	8	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
323	Printing and related support activities .....	-	92	37	5 232	203 298	3 095	6 084	102 374	478 453	296 032	775 399	34 660
3231	Printing and related support activities .....	-	92	37	5 232	203 298	3 095	6 084	102 374	478 453	296 032	775 399	34 660
32311	Printing .....	-	83	30	4 723	181 206	2 741	5 376	88 231	440 106	280 552	721 342	D
323110	Commercial lithographic printing .....	-	37	14	2 405	88 201	1 333	2 613	39 873	257 863	93 180	350 969	18 443
323112	Commercial flexographic printing .....	-	11	5	f	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	-	11	3	e	D	D	D	D	D	D	D	1 497
323117	Books printing .....	-	4	4	f	D	D	D	D	D	D	D	D
323119	Other commercial printing ...	-	6	3	e	D	D	D	D	D	D	D	D
32312	Support activities for printing...	-	9	7	509	22 092	354	708	14 143	38 347	15 480	54 057	D
323122	Prepress services .....	-	8	6	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	3	21	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	35	23	3 566	150 536	2 708	5 882	103 751	472 452	547 197	1 010 110	49 696
3261	Plastics product manufacturing ..	1	29	19	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	14	13	h	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	2	11	10	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	10	4	e	D	D	D	D	D	D	D	4 700
326199	All other plastics product manufacturing .....	-	10	4	e	D	D	D	D	D	D	D	4 700
3262	Rubber product manufacturing ...	1	6	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	23	6	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	13	6	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	10	6	h	D	D	D	D	D	D	D	D
3315	Foundries .....	-	7	4	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	3	3	g	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	3	3	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ...	-	4	1	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	3	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	126	50	3 441	123 492	2 641	4 961	81 817	252 369	185 984	438 197	14 348
3323	Architectural and structural metals manufacturing .....	-	17	11	f	D	D	D	D	D	D	D	921
33232	Ornamental and architectural metal products manufacturing .....	-	11	7	417	14 892	335	655	10 349	30 343	32 511	63 773	523
332322	Sheet metal work manufacturing .....	-	9	6	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	4	4	3	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	57	16	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	53	14	832	32 695	613	1 186	21 004	68 457	27 155	96 277	4 984
332710	Machine shops .....	2	53	14	832	32 695	613	1 186	21 004	68 457	27 155	96 277	4 984
3328	Coating, engraving, heat treating, and allied activities .....	-	15	4	e	D	D	D	D	D	D	D	1 931
33281	Coating, engraving, heat treating, and allied activities ..	-	15	4	e	D	D	D	D	D	D	D	1 931
3329	Other fabricated metal product manufacturing .....	4	21	9	f	D	D	D	D	D	D	D	2 442
33299	All other fabricated metal product manufacturing .....	5	20	9	f	D	D	D	D	D	D	D	D
332996	Fabricated pipe and pipe fitting manufacturing .....	8	5	3	e	D	D	D	D	D	D	D	D
332997	Industrial pattern manufacturing .....	-	8	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>												
333	Machinery manufacturing .....	-	73	39	4 677	216 761	2 759	5 603	118 671	400 070	569 000	978 003	17 363
3331	Agriculture, construction, and mining machinery manufacturing .....	1	9	6	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	1	5	3	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	-	26	12	1 400	76 546	644	1 123	28 669	137 892	156 644	292 606	7 129
33329	Other industrial machinery manufacturing .....	-	26	12	1 400	76 546	644	1 123	28 669	137 892	156 644	292 606	7 129
333291	Paper industry machinery manufacturing .....	-	18	10	g	D	D	D	D	D	D	D	6 857
3339	Other general purpose machinery manufacturing .....	-	23	12	1 854	87 721	1 136	2 411	59 322	150 325	276 323	431 024	6 926
33392	Material handling equipment manufacturing .....	1	14	10	f	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	-	10	8	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	-	9	2	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	-	2	1	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	13	6	g	D	D	D	D	D	D	D	1 916
3344	Semiconductor and other electronic component manufacturing .....	-	6	5	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	6	5	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	3	7	5	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	3	6	4	e	D	D	D	D	D	D	D	491
33531	Electrical equipment manufacturing .....	3	6	4	e	D	D	D	D	D	D	D	491
336	Transportation equipment manufacturing .....	-	17	9	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	34	9	791	22 348	584	1 128	12 588	55 416	42 192	96 419	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	29	5	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	-	15	3	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	-	8	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
339	Miscellaneous manufacturing .....	3	40	9	f	D	D	D	D	D	D	D	1 925
3391	Medical equipment and supplies manufacturing .....	3	14	4	e	D	D	D	D	D	D	D	275
33911	Medical equipment and supplies manufacturing .....	3	14	4	e	D	D	D	D	D	D	D	275
339113	Surgical appliance and supplies manufacturing .....	3	3	2	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	3	26	5	e	D	D	D	D	D	D	D	1 650
33999	All other miscellaneous manufacturing .....	2	14	5	e	D	D	D	D	D	D	D	D
<b>Appleton, WI Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	390	157	24 079	974 072	17 763	34 844	643 673	2 481 792	3 238 926	5 692 746	166 745
311	Food manufacturing .....	—	47	29	4 014	132 314	3 211	5 880	96 136	363 353	821 734	1 193 153	49 554
3111	Animal food manufacturing .....	—	7	4	462	18 092	254	491	7 329	74 341	97 692	172 279	4 674
31111	Animal food manufacturing ....	—	7	4	462	18 092	254	491	7 329	74 341	97 692	172 279	4 674
311119	Other animal food manufacturing .....	—	7	4	462	18 092	254	491	7 329	74 341	97 692	172 279	4 674
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	7	7	1 992	63 602	1 850	3 149	56 878	163 247	251 647	414 734	15 492
31141	Frozen food manufacturing ....	—	3	3	g	D	D	D	D	D	D	D	14 294
311411	Frozen fruit, juice, and vegetable manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	2	4	4	e	D	D	D	D	D	D	D	1 198
311421	Fruit and vegetable canning .	2	4	4	e	D	D	D	D	D	D	D	1 198
3115	Dairy product manufacturing .....	—	12	9	938	34 214	702	1 469	22 949	83 838	408 354	500 073	28 229
31151	Dairy product (except frozen) manufacturing .....	—	12	9	938	34 214	702	1 469	22 949	83 838	408 354	500 073	28 229
311513	Cheese manufacturing .....	—	10	8	f	D	D	D	D	D	D	D	D
313	Textile mills .....	—	4	2	f	D	D	D	D	D	D	D	D
3132	Fabric mills .....	—	3	2	f	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills .....	—	1	1	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills .....	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	26	12	580	17 286	454	865	10 330	43 577	49 853	93 618	3 543
3219	Other wood product manufacturing .....	—	19	9	362	10 313	291	540	6 448	30 306	29 160	59 800	2 387
32192	Wood container and pallet manufacturing .....	1	13	7	280	7 035	244	443	5 157	16 806	16 160	32 943	816
321920	Wood container and pallet manufacturing .....	1	13	7	280	7 035	244	443	5 157	16 806	16 160	32 943	816
322	Paper manufacturing .....	—	30	19	5 520	273 136	4 294	8 704	189 985	875 375	1 098 072	1 941 688	56 445
3221	Pulp, paper, and paperboard mills .....	—	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
32212	Paper mills .....	—	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
322121	Paper (except newsprint) mills .....	—	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
3222	Converted paper product manufacturing .....	—	25	14	2 453	106 608	1 922	3 923	70 726	407 104	482 809	885 576	10 728
32221	Paperboard container manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	7	3	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	4	3	367	13 503	261	566	8 913	34 030	54 118	83 438	1 322
32229	Other converted paper product manufacturing .....	3	10	6	818	28 804	669	1 280	19 999	95 829	60 187	152 912	3 478
322291	Sanitary paper product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	6	8	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	44	10	1 201	44 229	716	1 294	21 004	153 564	78 762	232 171	4 331
3231	Printing and related support activities .....	—	44	10	1 201	44 229	716	1 294	21 004	153 564	78 762	232 171	4 331
32311	Printing .....	—	41	9	1 133	41 500	657	1 182	18 852	148 701	77 487	226 138	D
323110	Commercial lithographic printing .....	—	17	2	361	9 458	277	474	7 008	88 945	17 143	106 019	998
323113	Commercial screen printing ..	—	6	2	e	D	D	D	D	D	D	D	1 410

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Appleton, WI Metropolitan Statistical Area—Con.</b>													
326	Plastics and rubber products manufacturing .....	1	14	5	922	30 645	605	1 359	13 730	58 491	75 273	132 747	4 981
3261	Plastics product manufacturing ..	—	12	4	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	4	3	764	25 613	494	1 123	10 937	46 576	63 400	109 125	4 189
326111	Plastics bag manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	7	5	1 833	70 889	1 426	2 813	55 718	174 394	151 014	325 401	10 247
3315	Foundries .....	—	4	3	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	—	2	1	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	—	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	74	28	2 305	82 100	1 804	3 389	55 798	166 293	115 556	281 216	9 505
3323	Architectural and structural metals manufacturing .....	—	11	7	462	15 834	364	709	10 719	34 807	31 190	66 750	580
33232	Ornamental and architectural metal products manufacturing .....	—	8	6	375	12 964	301	588	8 991	26 904	30 837	58 579	472
332322	Sheet metal work manufacturing .....	—	6	5	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	32	8	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	3	30	7	454	18 160	330	688	11 954	37 760	13 605	51 764	2 792
332710	Machine shops .....	3	30	7	454	18 160	330	688	11 954	37 760	13 605	51 764	2 792
3328	Coating, engraving, heat treating, and allied activities .....	—	8	3	266	8 889	209	386	6 255	18 758	5 554	24 331	1 799
33281	Coating, engraving, heat treating, and allied activities ..	—	8	3	266	8 889	209	386	6 255	18 758	5 554	24 331	1 799
3329	Other fabricated metal product manufacturing .....	5	14	6	698	22 801	595	1 003	16 833	42 061	39 065	81 218	1 986
33299	All other fabricated metal product manufacturing .....	5	14	6	698	22 801	595	1 003	16 833	42 061	39 065	81 218	1 986
332996	Fabricated pipe and pipe fitting manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	D
332997	Industrial pattern manufacturing .....	—	7	3	273	8 500	247	325	6 991	13 695	3 852	17 495	769
333	Machinery manufacturing .....	—	42	20	3 415	159 895	1 936	4 035	88 147	276 411	492 811	777 224	13 979
3331	Agriculture, construction, and mining machinery manufacturing .....	—	7	5	991	36 646	665	1 532	20 432	75 553	98 695	180 027	1 608
33311	Agricultural implement manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	17	7	888	49 419	319	508	14 255	75 543	124 988	197 214	5 311
33329	Other industrial machinery manufacturing .....	1	17	7	888	49 419	319	508	14 255	75 543	124 988	197 214	5 311
333291	Paper industry machinery manufacturing .....	—	12	6	772	43 622	257	380	11 920	68 367	116 001	181 463	5 125
3339	Other general purpose machinery manufacturing .....	—	11	5	1 400	68 991	883	1 865	51 499	116 747	253 277	374 623	6 295
33399	All other general purpose machinery manufacturing ....	—	5	2	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	8	3	590	19 520	420	877	11 446	33 092	40 262	75 331	928
3344	Semiconductor and other electronic component manufacturing .....	—	4	3	579	19 048	415	869	11 346	32 136	39 511	73 623	D
33441	Semiconductor and other electronic component manufacturing .....	—	4	3	579	19 048	415	869	11 346	32 136	39 511	73 623	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Appleton, WI Metropolitan Statistical Area—Con.</b>													
336	Transportation equipment manufacturing .....	—	8	3	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	4	2	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	4	2	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	20	5	520	14 808	407	787	8 684	42 012	34 074	74 727	581
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	17	3	452	13 111	357	703	7 857	38 601	31 919	69 263	D
33712	Household and institutional furniture manufacturing .....	—	7	2	373	11 120	300	608	6 665	29 379	29 259	57 382	385
337122	Nonupholstered wood household furniture manufacturing .....	—	5	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	4	26	6	521	16 488	445	845	12 618	19 599	10 414	29 574	469
3391	Medical equipment and supplies manufacturing .....	7	8	2	277	9 387	256	504	8 025	5 241	2 015	6 868	216
33911	Medical equipment and supplies manufacturing .....	7	8	2	277	9 387	256	504	8 025	5 241	2 015	6 868	216
<b>Oshkosh-Neenah, WI Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	310	159	23 924	969 239	16 757	33 344	613 693	2 929 411	3 257 853	6 230 756	203 748
311	Food manufacturing .....	6	24	6	539	17 504	386	775	11 615	61 403	90 791	152 270	3 281
313	Textile mills .....	—	2	1	e	D	D	D	D	D	D	D	D
3132	Fabric mills .....	—	2	1	e	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills .....	—	2	1	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	11	8	830	25 282	642	1 144	16 886	48 962	80 443	129 074	2 471
3219	Other wood product manufacturing .....	—	10	7	f	D	D	D	D	D	D	D	D
32191	Millwork .....	—	7	6	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	4	3	543	16 463	429	805	11 746	39 660	49 555	88 792	1 576
322	Paper manufacturing .....	—	39	30	6 589	281 980	5 040	10 727	206 248	1 525 713	910 942	2 444 226	62 295
3221	Pulp, paper, and paperboard mills .....	—	8	8	2 295	108 338	1 755	4 029	86 566	637 348	295 458	936 685	D
32212	Paper mills .....	—	6	6	g	D	D	D	D	D	D	D	37 625
322121	Paper (except newsprint) mills .....	—	6	6	g	D	D	D	D	D	D	D	37 625
3222	Converted paper product manufacturing .....	—	31	22	4 294	173 642	3 285	6 698	119 682	888 365	615 484	1 507 541	D
32221	Paperboard container manufacturing .....	—	12	8	1 002	47 045	776	1 531	33 134	119 324	129 648	244 676	5 400
322211	Corrugated and solid fiber box manufacturing .....	—	6	4	434	20 350	281	590	11 137	56 512	56 399	112 538	930
322212	Folding paperboard box manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, and similar products manufacturing .....	1	4	3	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	—	13	11	2 957	113 479	2 269	4 636	79 122	725 529	432 567	1 165 232	15 958
322291	Sanitary paper product manufacturing .....	—	8	8	2 460	96 901	1 888	3 872	70 304	703 937	383 168	1 094 241	14 262
322299	All other converted paper product manufacturing .....	6	5	3	497	16 578	381	764	8 818	21 592	49 399	70 991	1 696

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Oshkosh-Neenah, WI Metropolitan Statistical Area—Con.</b>													
323	Printing and related support activities .....	—	48	27	4 031	159 069	2 379	4 790	81 370	324 889	217 270	543 228	30 329
3231	Printing and related support activities .....	—	48	27	4 031	159 069	2 379	4 790	81 370	324 889	217 270	543 228	30 329
32311	Printing .....	—	42	21	3 590	139 706	2 084	4 194	69 379	291 405	203 065	495 204	24 820
323110	Commercial lithographic printing .....	—	20	12	2 044	78 743	1 056	2 139	32 865	168 918	76 037	244 950	17 445
323112	Commercial flexographic printing .....	—	5	3	e	D	D	D	D	D	D	D	D
323117	Books printing .....	—	3	3	f	D	D	D	D	D	D	D	D
323119	Other commercial printing .....	—	4	2	e	D	D	D	D	D	D	D	210
32312	Support activities for printing .....	—	6	6	441	19 363	295	596	11 991	33 484	14 205	48 024	5 509
323122	Prepress services .....	—	5	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	21	18	2 644	119 891	2 103	4 523	90 021	413 961	471 924	877 363	44 715
3261	Plastics product manufacturing ..	1	17	15	2 437	109 884	1 970	4 251	83 013	384 956	452 330	829 493	44 390
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	10	10	g	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	2	8	8	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	6	4	268	8 313	240	469	6 645	31 059	18 225	48 623	4 677
326199	All other plastics product manufacturing .....	—	6	4	268	8 313	240	469	6 645	31 059	18 225	48 623	4 677
331	Primary metal manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	3	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	52	22	1 136	41 392	837	1 572	26 019	86 076	70 428	156 981	4 843
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	25	8	e	D	D	D	D	D	D	D	D
33271	Machine shops .....	1	23	7	378	14 535	283	498	9 050	30 697	13 550	44 513	2 192
332710	Machine shops .....	1	23	7	378	14 535	283	498	9 050	30 697	13 550	44 513	2 192
333	Machinery manufacturing .....	1	31	19	1 262	56 866	823	1 568	30 524	123 659	76 189	200 779	3 384
3332	Industrial machinery manufacturing .....	—	9	5	512	27 127	325	615	14 414	62 349	31 656	95 392	1 818
33329	Other industrial machinery manufacturing .....	—	9	5	512	27 127	325	615	14 414	62 349	31 656	95 392	1 818
333291	Paper industry machinery manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	1 732
3339	Other general purpose machinery manufacturing .....	—	12	7	454	18 730	253	546	7 823	33 578	23 046	56 401	631
33392	Material handling equipment manufacturing .....	—	8	7	437	18 348	241	525	7 553	32 766	22 221	54 769	604
333922	Conveyor and conveying equipment manufacturing ..	—	7	6	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	988
3344	Semiconductor and other electronic component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	3	4	3	312	11 140	178	318	5 087	25 968	35 227	58 952	491
3353	Electrical equipment manufacturing .....	3	4	3	312	11 140	178	318	5 087	25 968	35 227	58 952	491
33531	Electrical equipment manufacturing .....	3	4	3	312	11 140	178	318	5 087	25 968	35 227	58 952	491

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Oshkosh-Neenah, WI Metropolitan Statistical Area—Con.</b>													
336	Transportation equipment manufacturing .....	—	9	6	2 597	122 668	1 813	3 234	65 850	59 102	781 426	877 523	4 487
3361	Motor vehicle manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	14	4	271	7 540	177	341	3 904	13 404	8 118	21 692	D
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	'13 347	'4 736	'560 985	'23 406 439	'377 510	'763 140	'12 925 777	'70 485 458	'69 057 598	'140 014 659	'4 354 695
311	Food manufacturing .....	2	'957	'368	'60 193	'2 058 609	'41 521	'84 650	'1 281 403	'9 071 933	'8 509 984	'17 550 181	'425 699
3111	Animal food manufacturing .....	3	22	7	e	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	3	22	7	e	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	2	15	7	408	16 424	212	448	6 541	76 930	64 943	141 740	D
3112	Grain and oilseed milling .....	2	24	19	h	D	D	D	D	D	D	D	D
31121	Flour milling and malt manufacturing .....	—	8	6	f	D	D	D	D	D	D	D	D
311211	Flour milling .....	—	7	5	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	5	12	10	g	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	6	3	3	1 438	77 551	956	2 102	49 367	355 625	765 084	1 109 666	D
311222	Soybean processing .....	6	3	2	308	12 311	224	491	7 996	40 760	71 831	115 870	D
311225	Fats and oils refining and blending .....	—	6	5	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	1	74	30	i	D	D	D	D	D	D	D	72 412
31133	Confectionery manufacturing from purchased chocolate .....	1	41	14	i	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	1	41	14	i	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	—	28	15	h	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	28	15	h	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	68	36	i	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	—	34	18	h	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	—	31	17	h	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	3	34	18	h	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	2	20	13	1 278	42 954	1 079	2 088	30 996	122 023	143 004	264 997	D
311423	Dried and dehydrated food manufacturing .....	4	9	3	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
311	Food manufacturing—Con.												
3115	Dairy product manufacturing . . . . .	3	37	16	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing . . . . .	1	24	13	g	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing . . . . .	—	13	8	760	28 562	476	991	20 025	126 730	259 666	386 017	11 171
311513	Cheese manufacturing . . . . .	3	8	4	e	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing . . . . .	6	13	3	926	45 280	708	1 538	31 771	274 439	111 257	386 938	8 880
311520	Ice cream and frozen dessert manufacturing . . . . .	6	13	3	926	45 280	708	1 538	31 771	274 439	111 257	386 938	8 880
3116	Animal slaughtering and processing . . . . .	1	125	76	j	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing . . . . .	1	125	76	j	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering . . . . .	1	38	22	h	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses . . . . .	1	73	47	7 067	238 647	5 360	11 989	146 834	818 554	1 411 049	2 225 808	57 977
311613	Rendering and meat byproduct processing . . . . .	8	5	2	e	D	D	D	D	D	D	D	D
311615	Poultry processing . . . . .	1	9	5	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing . . . . .	1	441	115	j	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing . . . . .	1	387	86	j	D	D	D	D	D	D	D	D
311811	Retail bakeries . . . . .	4	298	40	h	D	D	D	D	D	D	D	D
311812	Commercial bakeries . . . . .	—	77	37	i	D	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing . . . . .	3	12	9	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing . . . . .	1	42	21	i	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing . . . . .	1	21	13	h	D	D	D	D	D	D	D	D
311822	Flour mixes and dough purchased flour . . . . .	2	10	6	f	D	D	D	D	D	D	D	D
311823	Dry pasta manufacturing . . . . .	—	11	2	e	D	D	D	D	D	D	D	D
31183	Tortilla manufacturing . . . . .	1	12	8	f	D	D	D	D	D	D	D	D
311830	Tortilla manufacturing . . . . .	1	12	8	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing . . . . .	2	161	67	i	D	D	D	D	D	D	D	D
31191	Snack food manufacturing . . . . .	—	14	7	g	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing . . . . .	—	6	4	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing . . . . .	—	8	3	f	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing . . . . .	—	10	3	e	D	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing . . . . .	—	10	3	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing . . . . .	3	35	24	h	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing . . . . .	2	11	6	e	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing . . . . .	3	24	18	g	D	D	D	D	D	D	D	13 974
31199	All other food manufacturing . . . . .	3	93	31	h	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing . . . . .	7	24	12	1 076	25 445	896	1 750	16 460	56 430	66 347	122 505	7 884
311999	All other miscellaneous food manufacturing . . . . .	2	69	19	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing . . . . .	1	35	17	h	D	D	D	D	D	D	D	D
3121	Beverage manufacturing . . . . .	2	34	16	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing . . . . .	—	23	14	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing . . . . .	—	14	10	g	D	D	D	D	D	D	D	D
31214	Distilleries . . . . .	9	2	1	e	D	D	D	D	D	D	D	D
312140	Distilleries . . . . .	9	2	1	e	D	D	D	D	D	D	D	D
3122	Tobacco manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
313	Textile mills . . . . .	4	51	10	f	D	D	D	D	D	D	D	D
3132	Fabric mills . . . . .	4	23	5	405	11 350	339	582	7 589	28 893	26 458	54 319	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>											
313	Textile mills—Con.											
3133	Textile and fabric finishing and fabric coating mills .....	4	25	5	e	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills .....	6	22	4	e	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills .....	5	19	4	e	D	D	D	D	D	D	D
314	Textile product mills .....	2	211	45	h	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	1	107	19	g	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	—	104	18	g	D	D	D	D	D	D	D
314121	Curtain and drapery mills .....	1	84	8	f	D	D	D	D	D	D	D
314129	Other household textile product mills .....	—	20	10	f	D	D	D	D	D	D	D
3149	Other textile product mills .....	3	104	26	g	D	D	D	D	D	D	D
31491	Textile bag and canvas mills .....	2	43	12	g	D	D	D	D	D	D	D
314912	Canvas and related product mills .....	2	39	11	f	D	D	D	D	D	D	D
31499	All other textile product mills .....	4	61	14	g	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills .....	4	59	13	g	D	D	D	D	D	D	D
315	Apparel manufacturing .....	5	175	41	h	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	6	118	31	h	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	6	65	13	f	D	D	D	D	D	D	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	7	52	11	f	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	7	25	11	g	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	12	2	870	29 130	477	979	10 543	68 223	17 510	88 281
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing .....	7	2	2	e	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing .....	9	4	1	e	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing .....	—	4	4	e	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	49	7	f	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing .....	1	49	7	f	D	D	D	D	D	D	D
315992	Glove and mitten manufacturing .....	—	2	2	e	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	32	13	g	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033
31611	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033
316110	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033
3169	Other leather and allied product manufacturing .....	1	25	10	f	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing .....	1	25	10	f	D	D	D	D	D	D	D
316999	All other leather goods manufacturing .....	—	10	6	f	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	256	81	i	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing .....	1	22	11	f	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	1	22	11	f	D	D	D	D	D	D	D
321214	Truss manufacturing .....	—	9	7	620	19 255	414	856	9 966	34 499	41 074	75 898

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
321	Wood product manufacturing—Con.												
3219	Other wood product manufacturing .....	2	223	67	h	D	D	D	D	D	D	D	D
32191	Millwork .....	3	101	29	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	4	43	11	780	25 680	511	1 004	12 489	55 518	84 825	140 628	D
321918	Other millwork (including flooring) .....	3	54	17	g	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing .....	2	67	26	g	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing .....	2	67	26	g	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	1	55	12	f	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	—	52	12	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	285	189	19 057	782 936	13 969	29 268	479 680	1 907 950	2 408 108	4 357 081	169 364
3221	Pulp, paper, and paperboard mills .....	—	8	7	904	46 827	727	1 537	36 536	123 533	130 931	255 860	D
32212	Paper mills .....	—	6	5	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	6	5	f	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	2	2	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	1	277	182	18 153	736 109	13 242	27 731	443 144	1 784 417	2 277 177	4 101 221	D
32221	Paperboard container manufacturing .....	1	153	105	j	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	1	92	69	i	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	—	39	24	h	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, and similar products manufacturing .....	—	11	5	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing .....	2	62	40	h	D	D	D	D	D	D	D	D
322221	Coated and laminated packaging paper and plastics film manufacturing .....	—	7	4	310	13 269	209	410	6 774	26 930	26 489	53 040	1 246
322222	Coated and laminated paper manufacturing .....	1	38	23	g	D	D	D	D	D	D	D	D
322223	Plastics, foil, and coated paper bag manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing .....	7	4	3	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	30	20	g	D	D	D	D	D	D	D	D
322231	Die-cut paper and paperboard office supplies manufacturing .....	1	9	4	e	D	D	D	D	D	D	D	D
322232	Envelope manufacturing .....	—	18	15	g	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	2	32	17	g	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	2	28	17	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	1 782	1 422	k	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	2	1 782	1 422	k	D	D	D	D	D	D	D	D
32311	Printing .....	2	1 577	360	k	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	1	749	207	j	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	2	22	4	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing .....	2	54	20	1 330	53 072	825	1 521	26 057	122 997	87 282	209 420	5 357
323113	Commercial screen printing .....	1	139	31	g	D	D	D	D	D	D	D	D
323114	Quick printing .....	4	344	20	g	D	D	D	D	D	D	D	D
323115	Digital printing .....	—	57	18	1 463	64 178	942	1 839	36 707	142 384	87 205	229 538	5 581
323116	Manifold business forms printing .....	4	33	20	1 873	69 916	1 377	2 745	47 460	224 481	164 557	388 005	7 841
323117	Books printing .....	1	22	7	f	D	D	D	D	D	D	D	D
323118	Blankbook, looseleaf binders, and devices manufacturing .....	4	30	18	g	D	D	D	D	D	D	D	D
323119	Other commercial printing .....	2	127	15	g	D	D	D	D	D	D	D	D
32312	Support activities for printing .....	3	205	62	4 811	192 709	3 631	7 233	121 682	380 797	109 284	488 230	19 381
323121	Tradebinding and related work .....	3	75	31	2 621	77 468	2 174	4 411	51 533	153 720	35 118	188 794	5 068
323122	Prepress services .....	3	130	31	2 190	115 241	1 457	2 822	70 149	227 077	74 166	299 436	14 313
324	Petroleum and coal products manufacturing .....	—	67	32	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
324	Petroleum and coal products manufacturing—Con.												
3241	Petroleum and coal products manufacturing .....	—	67	32	h	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	7	5	2 443	166 020	1 445	3 373	91 256	841 550	7 503 185	8 407 811	D
324110	Petroleum refineries .....	—	7	5	2 443	166 020	1 445	3 373	91 256	841 550	7 503 185	8 407 811	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	—	32	13	f	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing .....	—	20	8	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing .....	—	12	5	f	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing .....	2	28	14	1 202	68 599	690	1 462	32 420	397 998	440 290	829 992	D
324191	Petroleum lubricating oil and grease manufacturing .....	3	24	11	f	D	D	D	D	D	D	D	D
324199	All other petroleum and coal products manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	607	282	49 199	2 865 505	22 498	47 839	1 067 512	12 366 801	8 165 853	20 540 223	852 883
3251	Basic chemical manufacturing ...	2	97	46	h	D	D	D	D	D	D	D	D
32511	Petrochemical manufacturing ..	—	3	1	e	D	D	D	D	D	D	D	D
325110	Petrochemical manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
32512	Industrial gas manufacturing ...	—	16	5	e	D	D	D	D	D	D	D	D
325120	Industrial gas manufacturing ..	—	16	5	e	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing .....	1	7	4	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	2	32	19	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing ....	2	31	18	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	3	39	17	1 642	91 489	872	1 557	37 157	349 064	424 252	764 901	49 988
325199	All other basic organic chemical manufacturing ....	3	36	17	1 637	91 173	868	1 550	36 981	347 979	421 404	760 968	49 855
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	51	37	g	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	—	48	35	g	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	—	38	31	g	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	5	14	5	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	—	42	20	j	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	—	42	20	j	D	D	D	D	D	D	D	D
325411	Medicinal and botanical manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	—	26	12	21 352	1 506 585	6 642	15 922	420 718	5 558 507	1 848 819	7 439 827	D
325414	Biological product (except diagnostic) manufacturing ..	—	4	1	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	120	61	5 637	245 804	3 161	6 310	104 585	890 929	1 201 529	2 141 043	44 305
32551	Paint and coating manufacturing .....	—	90	44	h	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing .....	—	90	44	h	D	D	D	D	D	D	D	D
32552	Adhesive manufacturing .....	—	30	17	g	D	D	D	D	D	D	D	D
325520	Adhesive manufacturing ....	—	30	17	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	127	55	i	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	84	30	h	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing .....	—	39	12	g	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	4	32	10	f	D	D	D	D	D	D	D	D
325613	Surface active agent manufacturing .....	—	13	8	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	1	43	25	4 796	209 307	2 878	5 705	90 226	1 385 104	528 546	1 942 418	49 196
325620	Toilet preparation manufacturing .....	1	43	25	4 796	209 307	2 878	5 705	90 226	1 385 104	528 546	1 942 418	49 196

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
325 3259	Chemical manufacturing—Con. Other chemical product and preparation manufacturing . . . . .	1	156	58	h	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing . . . . .	1	41	19	g	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing . . . . .	1	41	19	g	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing . . . . .	1	115	39	h	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins . . . . .	—	30	11	f	D	D	D	D	D	D	D	D
325992	Photographic film, paper, plate, and chemical manufacturing . . . . .	5	21	6		749	41 453	460	960	17 023	138 459	114 721	251 132
325998	All other miscellaneous chemical product and preparation manufacturing . . . . .	1	64	22	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing . . . . .	1	'720	'420	'50 320	'1 710 734	'38 390	'78 832	'1 091 315	'4 890 999	'3 967 431	'8 874 487	'358 913
3261	Plastics product manufacturing . . . . .	1	'646	'380	k	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and un laminated film and sheet manufacturing . . . . .	1	'88	'55	i	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing . . . . .	1	22	15	2 120	74 065	1 724	3 816	54 210	243 821	231 520	475 036	28 725
326112	Plastics packaging film and sheet (including laminated) manufacturing . . . . .	—	'21	'18	g	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing . . . . .	2	45	22	1 706	60 873	1 287	2 639	39 379	160 386	203 121	366 025	8 547
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing . . . . .	—	43	19	g	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing . . . . .	—	34	16	g	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing . . . . .	—	14	4	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing . . . . .	—	14	4	f	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing . . . . .	2	21	12	1 626	48 108	1 425	2 840	37 714	222 149	139 802	361 645	7 946
326140	Polystyrene foam product manufacturing . . . . .	2	21	12	1 626	48 108	1 425	2 840	37 714	222 149	139 802	361 645	7 946
32615	Urethane and other foam product (except polystyrene) manufacturing . . . . .	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
326150	Urethane and other foam product (except polystyrene) manufacturing . . . . .	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
32616	Plastics bottle manufacturing . . . . .	—	20	16	g	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing . . . . .	—	20	16	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing . . . . .	1	'445	'264	k	D	D	D	D	D	D	D	D
326191	Plastics plumbing fixture manufacturing . . . . .	—	13	11	f	D	D	D	D	D	D	D	D
326192	Resilient floor covering manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing . . . . .	1	'431	'252	k	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing . . . . .	1	'74	'40	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing . . . . .	—	13	5	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing . . . . .	5	11	7	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing . . . . .	5	11	7	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing . . . . .	1	'50	'28	h	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use . . . . .	1	23	12	1 521	46 982	1 172	2 539	33 421	119 049	72 471	191 883	2 498
326299	All other rubber product manufacturing . . . . .	1	'27	'16	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing . . . . .	1	'405	173	j	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing . . . . .	1	53	17	g	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing . . . . .	1	25	6	f	D	D	D	D	D	D	D	D
327113	Porcelain electrical supply manufacturing . . . . .	1	8	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
327	Nonmetallic mineral product manufacturing—Con.												
3271	Clay product and refractory manufacturing—Con.												
32712	Clay building material and refractories manufacturing . . . .	1	28	11	f	D	D	D	D	D	D	D	D
327124	Clay refractory manufacturing . . . . .	2	10	5	e	D	D	D	D	D	D	D	8 111
327125	Nonclay refractory manufacturing . . . . .	—	9	6	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing . . . . .	2	65	17	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing . . . . .	2	65	17	g	D	D	D	D	D	D	D	D
327213	Glass container manufacturing . . . . .	3	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass . .	1	53	13	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing . . . . .	1	168	82	h	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing . . . . .	1	89	47	g	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing . . . . .	1	89	47	g	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing . . . . .	1	31	20	985	45 416	583	1 269	23 280	138 143	83 652	219 490	D
327331	Concrete block and brick manufacturing . . . . .	1	19	12	561	27 629	324	731	13 324	87 452	57 316	143 941	5 022
327332	Concrete pipe manufacturing . . . . .	2	12	8	424	17 787	259	538	9 956	50 691	26 336	75 549	D
32739	Other concrete product manufacturing . . . . .	2	45	14	g	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing . . . . .	2	45	14	g	D	D	D	D	D	D	D	D
3274	Lime and gypsum product manufacturing . . . . .	1	17	10	f	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing . . . . .	—	12	8	f	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing . . . . .	—	12	8	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing . . . . .	1	102	47	h	D	D	D	D	D	D	D	D
32791	Abrasive product manufacturing . . . . .	—	36	20	g	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing . . . . .	—	36	20	g	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing . . . . .	2	66	27	g	D	D	D	D	D	D	D	D
327991	Cut stone and stone product manufacturing . . . . .	3	38	14	f	D	D	D	D	D	D	D	D
327992	Ground or treated mineral and earth manufacturing . . .	2	13	7	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing . . . . .	—	261	143	38 261	1 897 262	28 925	61 185	1 343 421	4 986 193	7 073 491	12 234 081	D
3311	Iron and steel mills and ferroalloy manufacturing . . . . .	—	29	24	j	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing . . . . .	—	29	24	j	D	D	D	D	D	D	D	D
331111	Iron and steel mills . . . . .	—	29	24	j	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel . . . . .	—	38	28	h	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel . . . . .	—	12	10	1 577	72 630	1 079	2 245	49 631	228 575	424 358	649 355	10 215
331210	Iron and steel pipe and tube manufacturing from purchased steel . . . . .	—	12	10	1 577	72 630	1 079	2 245	49 631	228 575	424 358	649 355	10 215
33122	Rolling and drawing of purchased steel . . . . .	—	26	18	g	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing . . . . .	—	15	12	g	D	D	D	D	D	D	D	D
331222	Steel wire drawing . . . . .	—	11	6	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing . . . . .	1	31	14	1 606	65 294	1 240	2 707	44 522	160 593	458 828	655 158	D
33131	Alumina and aluminum production and processing . . . . .	1	31	14	1 606	65 294	1 240	2 707	44 522	160 593	458 828	655 158	D
331314	Secondary smelting and alloying of aluminum . . . . .	—	10	4	308	13 115	216	475	7 922	31 980	122 866	154 709	1 881
331315	Aluminum sheet, plate, and foil manufacturing . . . . .	1	8	4	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing . . . . .	—	5	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
331	Primary metal manufacturing—Con.												
3313	Alumina and aluminum production and processing—Con.												
33131	Alumina and aluminum production and processing—Con.												
331319	Other aluminum rolling and drawing .....	-	7	4	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	1	'45	17	h	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	-	'17	11	'2 414	'134 401	'1 218	'2 748	'47 238	'365 757	'456 291	'838 584	17 994
331421	Copper rolling, drawing, and extruding .....	1	'6	5	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing .....	-	4	2	g	D	D	D	D	D	D	D	D
331423	Secondary smelting, refining, and alloying of copper .....	-	7	4	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	3	21	4	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	4	15	2	e	D	D	D	D	D	D	D	D
3315	Foundries .....	1	118	60	i	D	D	D	D	D	D	D	32 872
33151	Ferrous metal foundries .....	2	36	18	h	D	D	D	D	D	D	D	7 895
331511	Iron foundries .....	1	20	10	g	D	D	D	D	D	D	D	D
331512	Steel investment foundries ..	-	4	4	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	5	12	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ..	-	82	42	4 576	161 578	3 736	7 866	115 682	378 331	242 345	618 667	24 977
331521	Aluminum die-casting foundries .....	-	25	16	2 644	91 437	2 189	4 900	67 370	218 570	145 176	360 784	D
331522	Nonferrous (except aluminum) die-casting foundries .....	1	16	11	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	2	20	6	496	18 138	401	802	11 763	40 754	19 177	60 171	908
331525	Copper foundries (except die-casting) .....	2	12	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	'2 917	984	'83 370	'3 222 691	'62 387	'125 766	'2 070 467	'7 562 799	'5 812 500	'13 332 192	'405 818
3321	Forging and stamping .....	2	269	134	j	D	D	D	D	D	D	D	D
33211	Forging and stamping .....	2	269	134	j	D	D	D	D	D	D	D	D
332111	Iron and steel forging .....	2	21	15	1 340	48 593	1 041	2 097	36 096	100 531	103 202	205 484	D
332112	Nonferrous forging .....	8	6	3	g	D	D	D	D	D	D	D	D
332114	Custom roll forming .....	-	28	15	g	D	D	D	D	D	D	D	D
332115	Crown and closure manufacturing .....	-	6	2	e	D	D	D	D	D	D	D	444
332116	Metal stamping .....	2	200	95	i	D	D	D	D	D	D	D	D
332117	Powder metallurgy part manufacturing .....	-	8	4	e	D	D	D	D	D	D	D	6 926
3322	Cutlery and handtool manufacturing .....	1	'93	'40	h	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	1	'93	'40	h	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing .....	-	79	34	3 463	132 809	2 523	5 141	80 487	357 576	171 214	498 197	15 942
332214	Kitchen utensil, pot, and pan manufacturing .....	1	'4	'2	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	2	'376	'140	i	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	2	138	52	h	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing .....	2	97	35	g	D	D	D	D	D	D	D	D
332313	Plate work manufacturing ..	2	33	14	783	26 025	575	1 132	15 087	47 156	35 668	81 999	1 590
33232	Ornamental and architectural metal products manufacturing .....	1	'238	'88	i	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	2	36	11	914	28 249	661	1 346	18 381	76 967	54 593	131 894	3 086
332322	Sheet metal work manufacturing .....	1	138	55	h	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	1	'64	'22	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3324	Boiler, tank, and shipping container manufacturing .....	1	65	35	h	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing ....	7	14	8	f	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	7	14	8	f	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	6	11	4		312	11 930	222	450	7 320	26 509	21 588	47 438
332420	Metal tank (heavy gauge) manufacturing .....	6	11	4		312	11 930	222	450	7 320	26 509	21 588	47 438
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	40	23	h	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ....	—	14	10	g	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	—	26	13	g	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	51	26	h	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	—	51	26	h	D	D	D	D	D	D	D	D
332510	Hardware manufacturing ....	—	51	26	h	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	2	176	61	h	D	D	D	D	D	D	D	20 256
33261	Spring and wire product manufacturing .....	2	176	61	h	D	D	D	D	D	D	D	20 256
332611	Spring (heavy gauge) manufacturing .....	1	15	8	f	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing .....	—	43	25	g	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	3	118	28	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	176	282	j	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	901	147	j	D	D	D	D	D	D	D	D
332710	Machine shops .....	2	901	147	j	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing .....	2	275	135	i	D	D	D	D	D	D	D	71 939
332721	Precision turned product manufacturing .....	2	178	81	i	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	3	97	54	h	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	—	375	144	9 887	356 876	7 579	15 561	237 224	780 631	510 095	1 291 753	D
33281	Coating, engraving, heat treating, and allied activities ..	—	375	144	9 887	356 876	7 579	15 561	237 224	780 631	510 095	1 291 753	D
332811	Metal heat treating .....	—	38	18	1 125	40 424	846	1 761	28 336	96 963	45 108	142 550	7 530
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	126	49	h	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	211	77	i	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	1	336	122	13 029	541 381	9 554	18 487	346 519	1 457 913	1 240 166	2 706 729	91 880
33291	Metal valve manufacturing ....	1	77	50	h	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	—	20	14	1 393	63 573	918	1 904	34 772	202 164	123 093	322 996	7 283
332912	Fluid power valve and hose fitting manufacturing .....	—	21	12	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	2	14	8	g	D	D	D	D	D	D	D	D
332919	Other metal valve and pipe fitting manufacturing .....	3	22	16	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	1	259	72	i	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing .....	—	10	7	1 498	67 561	1 213	2 377	51 563	205 527	124 466	331 859	24 353
332996	Fabricated pipe and pipe fitting manufacturing .....	7	26	5	328	12 500	263	533	8 166	29 762	22 715	52 749	2 946
332998	Enameled iron and metal sanitary ware manufacturing .....	—	6	3	896	31 947	542	998	18 689	111 548	30 785	142 740	1 882
332999	All other miscellaneous fabricated metal product manufacturing .....	1	200	56	i	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	522	506	52 238	2 365 756	32 333	66 174	1 185 852	5 721 756	4 947 127	10 674 397	296 357

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
333	Machinery manufacturing—Con.												
3331	Agriculture, construction, and mining machinery manufacturing .....	—	44	17	h	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	17	5	g	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	2	12	2	299	9 854	225	418	6 122	4 287	9 458	15 605	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	5	3	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	25	10	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	25	10	h	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'216	'77	i	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing ....	—	29	8	g	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	29	8	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	2	'181	'68	i	D	D	D	D	D	D	D	D
333292	Textile machinery manufacturing .....	1	9	2	e	D	D	D	D	D	D	D	281
333293	Printing machinery and equipment manufacturing ..	2	58	26	g	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing .....	—	30	13	1 246	71 261	663	1 440	34 226	158 893	112 559	270 141	7 303
333298	All other industrial machinery manufacturing .....	2	'74	'24	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	2	'113	'47	i	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	2	'113	'47	i	D	D	D	D	D	D	D	D
333311	Automatic vending machine manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
333312	Commercial laundry, drycleaning, and pressing machine manufacturing ....	1	7	4	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	7	4	838	37 688	397	781	11 885	110 056	63 714	160 615	D
333319	Other commercial and service industry machinery manufacturing .....	3	'66	'31	h	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	78	43	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	78	43	h	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing .....	2	28	14	g	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	10	8	g	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	10	4	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	1	30	17	1 531	54 704	1 077	2 120	29 742	133 849	157 280	287 964	4 373
3335	Metalworking machinery manufacturing .....	3	'654	'142	j	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	3	'654	'142	j	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing .....	1	213	42	h	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing .....	5	26	12	f	D	D	D	D	D	D	D	D
333513	Machine tool (metal forming types) manufacturing .....	—	12	5	294	16 879	176	344	7 981	36 332	29 605	60 637	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	2	238	43	h	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	3	127	22	g	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing ..	'6	'31	'15	'1 396	'65 925	'915	'1 962	'36 491	'216 207	'122 088	'335 108	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>											
333	Machinery manufacturing—Con.											
3336	Engine, turbine, and power transmission equipment manufacturing .....	1	53	32	h	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	1	53	32	h	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	1	29	14	g	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	5	14	10	f	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	9	7	1 100	53 447	884	1 852	39 179	140 753	338 413	470 055
3339	Other general purpose machinery manufacturing .....	1	'364	'148	j	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	—	'38	'24	h	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	18	14	1 707	85 957	1 028	2 319	43 639	193 108	165 098	378 420
333912	Air and gas compressor manufacturing .....	—	'20	'10	g	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	1	73	30	h	D	D	D	D	D	D	D
333921	Elevator and moving stairway manufacturing .....	1	10	5	369	15 468	198	364	7 065	33 766	26 640	56 478
333922	Conveyor and conveying equipment manufacturing ..	2	45	16	g	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	—	9	5	276	9 899	124	224	3 835	17 289	19 886	37 509
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	9	4	741	34 436	440	797	13 533	86 722	160 875	246 430
33399	All other general purpose machinery manufacturing ....	2	253	94	i	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing .....	—	6	4	e	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	3	13	9	e	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing .....	2	48	18	g	D	D	D	D	D	D	D
333994	Industrial process furnace and oven manufacturing ...	1	19	9	830	33 966	548	1 159	17 474	93 714	44 853	137 861
333995	Fluid power cylinder and actuator manufacturing ....	—	25	13	2 800	114 446	1 901	4 061	65 883	263 493	216 558	495 024
333997	Scale and balance (except laboratory) manufacturing ..	—	6	2	e	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	5	132	37	h	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	'611	258	k	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	—	44	11	2 319	136 010	813	1 623	29 777	361 905	311 375	672 848
33411	Computer and peripheral equipment manufacturing ....	—	44	11	2 319	136 010	813	1 623	29 777	361 905	311 375	672 848
334119	Other computer peripheral equipment manufacturing ..	—	36	10	g	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	74	35	j	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	1	21	13	i	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	1	21	13	i	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	28	12	g	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	28	12	g	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	3	25	10	g	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	3	25	10	g	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing .....	—	19	9	g	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	—	19	9	g	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	—	19	9	g	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing .....	1	255	120	j	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	1	255	120	j	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing .....	1	64	33	2 578	78 537	1 991	3 666	47 207	152 628	100 502	254 150	12 976
334413	Semiconductor and related device manufacturing .....	6	18	7	275	12 245	156	316	4 773	30 015	12 478	43 251	D
334415	Electronic resistor manufacturing .....	—	4	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing .....	—	36	22	1 376	38 011	1 048	1 846	21 188	72 152	47 983	119 956	1 883
334417	Electronic connector manufacturing .....	1	14	7	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	1	35	22	2 336	68 074	1 426	2 897	32 678	142 075	176 203	319 487	3 526
334419	Other electronic component manufacturing .....	1	76	25	h	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	183	74	j	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	183	74	j	D	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing .....	1	16	11	1 494	71 087	743	1 466	20 772	204 219	145 436	354 590	4 649
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	11	5	2 679	207 373	890	1 204	43 626	315 154	344 758	686 685	14 324
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	19	7	1 295	48 444	768	1 403	17 240	226 173	128 084	354 367	3 207
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	1	37	15	g	D	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing .....	—	13	6	f	D	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	1	19	7	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing .....	—	14	5	e	D	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing .....	—	22	8	1 573	99 637	705	1 377	29 402	284 361	284 519	533 803	D
334519	Other measuring and controlling device manufacturing .....	1	27	9	851	41 447	338	677	11 656	91 411	59 732	152 304	2 139
3346	Manufacturing and reproducing magnetic and optical media .....	6	36	9	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media .....	6	36	9	f	D	D	D	D	D	D	D	D
334612	Pre-recorded compact disc (except software), tape, and record reproducing .....	7	22	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	371	172	j	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing .....	—	67	34	h	D	D	D	D	D	D	D	8 898
33512	Lighting fixture manufacturing .....	—	63	31	4 614	163 252	2 851	5 658	69 306	593 729	349 299	943 069	D
335121	Residential electric lighting fixture manufacturing .....	1	24	13	h	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	—	21	11	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing .....	—	18	7	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3352	Household appliance manufacturing .....	—	13	9	g	D	D	D	D	D	D	D	12 737
33521	Small electrical appliance manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	8	5	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	1	156	71	9 391	405 683	5 946	12 274	196 493	1 041 464	646 104	1 708 082	51 331
33531	Electrical equipment manufacturing .....	1	156	71	9 391	405 683	5 946	12 274	196 493	1 041 464	646 104	1 708 082	51 331
335311	Power, distribution, and specialty transformer manufacturing .....	—	15	9	1 218	47 810	674	1 230	16 258	239 967	115 632	371 242	1 757
335312	Motor and generator manufacturing .....	1	30	17	1 938	73 509	1 456	2 895	47 815	167 684	97 609	264 405	6 487
335313	Switchgear and switchboard apparatus manufacturing . . .	—	33	16	3 938	184 412	2 440	5 540	90 114	440 152	278 771	719 279	38 560
335314	Relay and industrial control manufacturing .....	3	78	29	2 297	99 952	1 376	2 609	42 306	193 661	154 092	353 156	4 527
3359	Other electrical equipment and component manufacturing .....	1	'135	58	i	D	D	D	D	D	D	D	D
33591	Battery manufacturing .....	—	8	4	f	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing .....	—	8	4	f	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing .	1	'10	'8	g	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing .	1	9	8	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing . . .	—	'55	'28	h	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	1	38	18	2 902	106 879	1 995	3 774	55 235	279 820	224 349	500 088	12 124
335932	Noncurrent-carrying wiring device manufacturing .....	—	'17	'10	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	6	'62	18	'1 659	'65 213	'824	'1 562	'22 548	'135 616	'146 036	'284 800	4 502
335999	All other miscellaneous electrical equipment and component manufacturing . .	6	'59	18	'1 642	'64 685	'809	'1 534	'22 206	'134 580	'144 852	'282 525	4 473
336	Transportation equipment manufacturing .....	—	309	145	k	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	—	12	2	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	11	2	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing . . .	—	6	2	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	18	8	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	18	8	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	1	12	4	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	215	104	j	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	31	11	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	—	27	10	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	1	51	22	h	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	—	9	6	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	1	42	16	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
336340	Motor vehicle brake system manufacturing .....	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
33635	Motor vehicle transmission and power train parts manufacturing .....	—	22	11	2 613	121 658	2 106	4 546	85 513	330 964	214 854	542 183	16 936
336350	Motor vehicle transmission and power train parts manufacturing .....	—	22	11	2 613	121 658	2 106	4 546	85 513	330 964	214 854	542 183	16 936

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33636	Motor vehicle seating and interior trim manufacturing . . .	—	8	6	1 443	58 126	1 135	2 451	42 144	154 495	291 132	444 862	D
336360	Motor vehicle seating and interior trim manufacturing . .	—	8	6	1 443	58 126	1 135	2 451	42 144	154 495	291 132	444 862	D
33637	Motor vehicle metal stamping . .	—	49	32	7 129	277 434	5 728	7 705	201 593	626 270	711 406	1 316 594	58 834
336370	Motor vehicle metal stamping . . . . .	—	49	32	7 129	277 434	5 728	7 705	201 593	626 270	711 406	1 316 594	58 834
33639	Other motor vehicle parts manufacturing . . . . .	2	41	19	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing . . . . .	3	39	18	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing . . . . .	4	9	6	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing . . . . .	4	9	6	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing . . . . .	5	6	4	e	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing . . . . .	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
33651	Railroad rolling stock manufacturing . . . . .	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
336510	Railroad rolling stock manufacturing . . . . .	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
3369	Other transportation equipment manufacturing . . . . .	1	20	3	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing . . . . .	1	20	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing . . . . .	2	'649	'154	j	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing . . . . .	3	'446	76	i	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing . . . .	3	'231	29	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing . .	3	'231	29	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing . . . . .	2	215	47	h	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing . . . . .	—	77	16	1 070	27 012	912	1 734	20 618	91 443	86 187	177 078	3 583
337122	Nonupholstered wood household furniture manufacturing . . . . .	4	85	12	g	D	D	D	D	D	D	D	D
337124	Metal household furniture manufacturing . . . . .	—	7	3	e	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing . . . . .	2	33	13	g	D	D	D	D	D	D	D	D
337129	Wood television, radio, and sewing machine cabinet manufacturing . . . . .	1	7	3	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing . . . . .	1	'159	'67	i	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing . . . . .	1	'159	'67	i	D	D	D	D	D	D	D	D
337211	Wood office furniture manufacturing . . . . .	6	21	6	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing . . . . .	2	'43	'16	g	D	D	D	D	D	D	D	D
337214	Office furniture (except wood) manufacturing . . . . .	—	11	4	g	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing . . . . .	—	84	41	i	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing . . . . .	3	44	11	1 162	38 691	815	1 590	23 382	108 048	92 547	201 336	D
33791	Mattress manufacturing . . . . .	1	19	7	690	25 273	516	1 021	15 857	76 909	63 774	140 640	D
337910	Mattress manufacturing . . . . .	1	19	7	690	25 273	516	1 021	15 857	76 909	63 774	140 640	D
33792	Blind and shade manufacturing . . . . .	6	25	4	472	13 418	299	569	7 525	31 139	28 773	60 696	D
337920	Blind and shade manufacturing . . . . .	6	25	4	472	13 418	299	569	7 525	31 139	28 773	60 696	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
339	Miscellaneous manufacturing . . . . .	2	'1 124	'281	k	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing . . . . .	2	404	73	i	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing . . . . .	2	404	73	i	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing . . . . .	—	9	7	567	25 334	293	642	9 187	58 146	34 632	93 713	D
339112	Surgical and medical instrument manufacturing . . . . .	2	43	18	1 634	60 834	1 002	2 111	28 041	175 446	74 303	249 243	14 811
339113	Surgical appliance and supplies manufacturing . . . . .	5	55	19	g	D	D	D	D	D	D	D	D
339114	Dental equipment and supplies manufacturing . . . . .	—	45	9	g	D	D	D	D	D	D	D	D
339115	Ophthalmic goods manufacturing . . . . .	2	20	5	904	35 821	518	937	14 845	60 002	36 968	95 652	D
339116	Dental laboratories . . . . .	3	232	15	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing . . . . .	2	'720	'208	j	D	D	D	D	D	D	D	D
33991	Jewelry and silverware manufacturing . . . . .	4	64	16	f	D	D	D	D	D	D	D	D
339911	Jewelry (except costume) manufacturing . . . . .	4	39	10	f	D	D	D	D	D	D	D	D
339912	Silverware and hollowware manufacturing . . . . .	1	6	3	e	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing . . . . .	—	'56	'11	'1 538	'75 075	'650	'1 276	'16 472	'296 251	'180 018	'476 489	D
339920	Sporting and athletic goods manufacturing . . . . .	—	'56	'11	'1 538	'75 075	'650	'1 276	'16 472	'296 251	'180 018	'476 489	D
33993	Doll, toy, and game manufacturing . . . . .	2	37	9	f	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing . . . . .	2	31	8	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing . . . . .	5	41	13	g	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing . . . . .	9	2	1	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing . . . . .	2	11	9	f	D	D	D	D	D	D	D	D
339943	Marking device manufacturing . . . . .	—	25	3	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing . . . . .	3	'197	'53	h	D	D	D	D	D	D	D	D
339950	Sign manufacturing . . . . .	3	'197	'53	h	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing . . . . .	1	'325	'106	j	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing . . . . .	—	33	13	3 084	128 388	2 038	3 438	64 875	209 249	171 377	384 348	13 018
339992	Musical instrument manufacturing . . . . .	2	26	13	952	29 707	719	1 398	19 758	61 753	37 520	102 912	D
339994	Broom, brush, and mop manufacturing . . . . .	2	15	10	g	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing . . . . .	2	'242	'67	i	D	D	D	D	D	D	D	D
<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area</b>													
31-33	Manufacturing . . . . .	1	'13 036	'4 611	'545 582	'22 807 136	'366 767	'741 015	'12 570 564	'68 593 222	'66 865 881	'135 995 452	'4 232 138
311	Food manufacturing . . . . .	2	'936	'358	'58 145	'2 003 214	'40 022	'81 644	'1 241 398	'8 915 917	'8 250 252	'17 133 783	'415 181
3111	Animal food manufacturing . . . . .	3	22	7	e	D	D	D	D	D	D	D	D
31111	Animal food manufacturing . . . . .	3	22	7	e	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing . . . . .	2	15	7	408	16 424	212	448	6 541	76 930	64 943	141 740	D
3112	Grain and oilseed milling . . . . .	3	20	16	3 658	196 355	2 657	5 721	135 121	1 377 192	1 379 872	2 752 156	62 890
31121	Flour milling and malt manufacturing . . . . .	—	5	4	e	D	D	D	D	D	D	D	D
311211	Flour milling . . . . .	—	4	3	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing . . . . .	5	11	9	2 243	110 012	1 573	3 478	71 918	426 586	996 702	1 414 357	33 046
311221	Wet corn milling . . . . .	6	3	3	1 438	77 551	956	2 102	49 367	355 625	765 084	1 109 666	D
311222	Soybean processing . . . . .	6	3	2	308	12 311	224	491	7 996	40 760	71 831	115 870	D
311225	Fats and oils refining and blending . . . . .	—	5	4	497	20 150	393	885	14 555	30 201	159 787	188 821	D
31123	Breakfast cereal manufacturing . . . . .	—	4	3	g	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing . . . . .	—	4	3	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing . . . . .	1	73	29	9 803	307 049	6 406	13 118	216 941	1 752 852	903 745	2 669 529	72 412
31133	Confectionery manufacturing from purchased chocolate . . . . .	—	40	13	5 353	148 780	2 761	5 791	103 332	874 905	447 828	1 331 980	D
311330	Confectionery manufacturing from purchased chocolate . . . . .	—	40	13	5 353	148 780	2 761	5 791	103 332	874 905	447 828	1 331 980	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
311	Food manufacturing—Con.												
3113	Sugar and confectionery product manufacturing—Con.												
31134	Nonchocolate confectionery manufacturing .....	—	28	15	h	D	D	D	D	D	D	D	
311340	Nonchocolate confectionery manufacturing .....	—	28	15	h	D	D	D	D	D	D	D	
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	67	36	6 388	180 263	4 967	10 012	112 041	564 976	535 092	1 101 900	22 184
31141	Frozen food manufacturing ....	—	34	18	h	D	D	D	D	D	D	D	
311412	Frozen specialty food manufacturing .....	—	31	17	h	D	D	D	D	D	D	D	
31142	Fruit and vegetable canning, pickling, and drying .....	3	33	18	h	D	D	D	D	D	D	D	
311421	Fruit and vegetable canning .	2	20	13	1 278	42 954	1 079	2 088	30 996	122 023	143 004	264 997	D
311423	Dried and dehydrated food manufacturing .....	4	8	3	g	D	D	D	D	D	D	4 217	
3115	Dairy product manufacturing .....	3	36	15	1 999	85 542	1 432	3 052	60 093	429 950	475 852	906 509	22 741
31151	Dairy product (except frozen) manufacturing .....	1	23	12	1 073	40 262	724	1 514	28 322	155 511	364 595	519 571	13 861
311511	Fluid milk manufacturing ....	—	13	8	760	28 562	476	991	20 025	126 730	259 666	386 017	11 171
311513	Cheese manufacturing .....	3	8	4	e	D	D	D	D	D	D	D	
31152	Ice cream and frozen dessert manufacturing .....	6	13	3	926	45 280	708	1 538	31 771	274 439	111 257	386 938	8 880
311520	Ice cream and frozen dessert manufacturing .....	6	13	3	926	45 280	708	1 538	31 771	274 439	111 257	386 938	8 880
3116	Animal slaughtering and processing .....	1	124	75	12 002	394 039	9 304	20 849	249 249	1 370 060	2 559 951	3 898 941	83 000
31161	Animal slaughtering and processing .....	1	124	75	12 002	394 039	9 304	20 849	249 249	1 370 060	2 559 951	3 898 941	83 000
311611	Animal (except poultry) slaughtering .....	1	37	21	h	D	D	D	D	D	D	D	
311612	Meat processed from carcasses .....	1	73	47	7 067	238 647	5 360	11 989	146 834	818 554	1 411 049	2 225 808	57 977
311613	Rendering and meat byproduct processing .....	8	5	2	e	D	D	D	D	D	D	D	
311615	Poultry processing .....	1	9	5	g	D	D	D	D	D	D	D	
3118	Bakeries and tortilla manufacturing .....	1	431	112	16 004	527 562	9 948	18 327	312 011	2 106 428	1 018 083	3 118 455	68 455
31181	Bread and bakery product manufacturing .....	4	379	84	j	D	D	D	D	D	D	D	
311811	Retail bakeries .....	1	294	40	3 021	49 846	1 585	2 274	26 561	95 684	46 533	141 639	D
311812	Commercial bakeries .....	—	73	35	6 295	238 808	3 297	6 064	117 217	624 115	287 619	916 315	30 996
311813	Frozen cakes, pies, and other pastries manufacturing .....	3	12	9	f	D	D	D	D	D	D	D	
31182	Cookie, cracker, and pasta manufacturing .....	1	40	20	i	D	D	D	D	D	D	D	
311821	Cookie and cracker manufacturing .....	1	20	12	3 911	154 939	3 143	6 031	111 691	1 146 003	367 087	1 512 963	21 952
311822	Flour mixes and dough manufacturing from purchased flour .....	3	9	6	f	D	D	D	D	D	D	D	
311823	Dry pasta manufacturing ....	—	11	2	e	D	D	D	D	D	D	D	
31183	Tortilla manufacturing .....	1	12	8	f	D	D	D	D	D	D	D	
311830	Tortilla manufacturing .....	1	12	8	f	D	D	D	D	D	D	D	
3119	Other food manufacturing .....	2	'158	'66	'7 693	'287 404	'4 987	'9 895	'147 093	'1 202 989	'1 166 697	'2 364 042	'77 690
31191	Snack food manufacturing .....	—	14	7	g	D	D	D	D	D	D	D	
311911	Roasted nuts and peanut butter manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	
311919	Other snack food manufacturing .....	—	8	3	f	D	D	D	D	D	D	D	
31192	Coffee and tea manufacturing .	—	10	3	e	D	D	D	D	D	D	D	
311920	Coffee and tea manufacturing .....	—	10	3	e	D	D	D	D	D	D	D	
31194	Seasoning and dressing manufacturing .....	3	34	23	2 467	107 889	1 459	2 969	49 788	516 837	511 629	1 025 360	19 532
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	3	10	5	e	D	D	D	D	D	D	D	
311942	Spice and extract manufacturing .....	3	24	18	g	D	D	D	D	D	D	5 558	
31199	All other food manufacturing ...	'3	'91	'31	'3 246	'117 154	'2 119	'4 259	'62 089	'260 178	'330 965	'589 768	'38 619
311991	Perishable prepared food manufacturing .....	7	24	12	1 076	25 445	896	1 750	16 460	56 430	66 347	122 505	7 884
311999	All other miscellaneous food manufacturing .....	'2	'67	'19	'2 170	'91 709	'1 223	'2 509	'45 629	'203 748	'264 618	'467 263	'30 735

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
312	Beverage and tobacco product manufacturing .....	1	34	17	h	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	2	33	16	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	23	14	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	—	14	10	g	D	D	D	D	D	D	D	D
31214	Distilleries .....	9	2	1	e	D	D	D	D	D	D	D	D
312140	Distilleries .....	9	2	1	e	D	D	D	D	D	D	D	D
3122	Tobacco manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
313	Textile mills .....	4	51	10	f	D	D	D	D	D	D	D	D
3132	Fabric mills .....	4	23	5	405	11 350	339	582	7 589	28 893	26 458	54 319	D
3133	Textile and fabric finishing and fabric coating mills .....	4	25	5	e	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills .....	6	22	4	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills .....	5	19	4	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	2	205	45	h	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	1	106	19	g	D	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	—	103	18	g	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills .....	1	83	8	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills .....	—	20	10	f	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	3	99	26	2 161	54 870	1 761	3 471	34 782	119 178	94 551	216 472	D
31491	Textile bag and canvas mills .....	2	41	12	g	D	D	D	D	D	D	D	D
314912	Canvas and related product mills .....	2	37	11	971	22 464	834	1 697	15 603	48 641	37 529	88 820	D
31499	All other textile product mills .....	4	58	14	g	D	D	D	D	D	D	D	1 526
314999	All other miscellaneous textile product mills .....	4	56	13	g	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	4	173	40	h	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	6	117	30	h	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	6	65	13	f	D	D	D	D	D	D	D	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	7	52	11	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	6	24	10	g	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	12	2	870	29 130	477	979	10 543	68 223	17 510	88 281	D
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing .....	7	2	2	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing .....	—	4	4	e	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	48	7	882	26 142	523	983	10 009	24 318	89 125	117 747	D
31599	Apparel accessories and other apparel manufacturing .....	1	48	7	882	26 142	523	983	10 009	24 318	89 125	117 747	D
315992	Glove and mitten manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	32	13	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D
31611	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D
316110	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
316	Leather and allied product manufacturing—Con.												
3169	Other leather and allied product manufacturing .....	1	25	10	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing .....	1	25	10	f	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing .....	—	10	6	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	246	77	h	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing .....	1	22	11	f	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	1	22	11	f	D	D	D	D	D	D	D	D
321214	Truss manufacturing .....	—	9	7	620	19 255	414	856	9 966	34 499	41 074	75 898	D
3219	Other wood product manufacturing .....	3	214	64	h	D	D	D	D	D	D	D	D
32191	Millwork .....	4	98	28	1 726	59 412	1 245	2 482	35 598	126 225	139 089	264 795	D
321911	Wood window and door manufacturing .....	4	43	11	780	25 680	511	1 004	12 489	55 518	84 825	140 628	D
321918	Other millwork (including flooring) .....	3	51	16	f	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing .....	2	62	25	1 312	34 157	1 033	2 003	21 552	75 203	72 881	147 675	D
321920	Wood container and pallet manufacturing .....	2	62	25	1 312	34 157	1 033	2 003	21 552	75 203	72 881	147 675	D
32199	All other wood product manufacturing .....	1	54	11	f	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	1	51	11	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	275	181	18 472	764 600	13 524	28 313	467 545	1 861 741	2 335 124	4 238 387	167 088
3221	Pulp, paper, and paperboard mills .....	—	8	7	904	46 827	727	1 537	36 536	123 533	130 931	255 860	D
32212	Paper mills .....	—	6	5	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	6	5	f	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	2	2	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	1	267	174	17 568	717 773	12 797	26 776	431 009	1 738 208	2 204 193	3 982 527	D
32221	Paperboard container manufacturing .....	1	147	101	10 267	437 286	7 465	15 799	262 725	1 031 987	1 450 758	2 512 332	76 089
322211	Corrugated and solid fiber box manufacturing .....	1	89	67	6 116	261 166	4 393	9 432	151 892	635 524	988 811	1 622 870	37 277
322212	Folding paperboard box manufacturing .....	—	38	23	2 843	133 810	2 175	4 545	87 527	323 797	333 565	653 426	33 207
322214	Fiber can, tube, drum, and similar products manufacturing .....	—	10	5	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing .....	2	61	39	3 915	159 418	2 672	5 445	85 384	427 410	495 716	932 849	25 490
322221	Coated and laminated packaging paper and plastics film manufacturing .....	—	7	4	310	13 269	209	410	6 774	26 930	26 489	53 040	1 246
322222	Coated and laminated paper manufacturing .....	1	37	22	2 294	97 349	1 460	3 009	49 179	293 490	294 150	592 243	16 424
322223	Plastics, foil, and coated paper bag manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing .....	7	4	3	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	29	19	1 997	71 235	1 552	3 316	49 085	162 098	174 488	339 513	10 316
322232	Envelope manufacturing .....	—	18	15	g	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	2	30	15	1 389	49 834	1 108	2 216	33 815	116 713	83 231	197 833	D
322299	All other converted paper product manufacturing .....	1	26	15	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	1 763	417	38 236	1 567 946	27 050	53 288	934 625	3 349 312	2 041 844	5 395 334	208 589

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
323	Printing and related support activities—Con.												
3231	Printing and related support activities .....	2	1 763	'417	'38 236	'1 567 946	'27 050	'53 288	'934 625	'3 349 312	'2 041 844	'5 395 334	'208 589
32311	Printing .....	2	'1 558	355	'33 425	'1 375 237	'23 419	'46 055	'812 943	'2 968 515	'1 932 560	'4 907 104	'189 208
323110	Commercial lithographic printing .....	'1	'737	'203	'20 585	'914 466	'14 469	'28 853	'546 456	'1 868 497	'1 221 247	'3 093 298	'141 608
323111	Commercial gravure printing .....	2	22	4	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing .....	2	54	20	1 330	53 072	825	1 521	26 057	122 997	87 282	209 420	5 357
323113	Commercial screen printing .....	1	'137	'30	'2 317	'73 452	'1 648	'3 021	'36 426	'154 425	'98 848	'253 131	'6 397
323114	Quick printing .....	4	341	20	2 103	62 262	1 450	2 540	37 524	129 437	57 793	188 442	6 421
323115	Digital printing .....	—	57	18	1 463	64 178	942	1 839	36 707	142 384	87 205	229 538	5 581
323116	Manifold business forms printing .....	4	33	20	1 873	69 916	1 377	2 745	47 460	224 481	164 557	388 005	7 841
323117	Books printing .....	1	21	7	f	D	D	D	D	D	D	D	9 411
323118	Blankbook, looseleaf binders, and devices manufacturing .....	4	30	18	g	D	D	D	D	D	D	D	D
323119	Other commercial printing .....	2	'126	'15	'1 333	'51 297	'936	'1 803	'31 408	'135 483	'71 819	'207 386	D
32312	Support activities for printing .....	3	'205	'62	'4 811	'192 709	'3 631	'7 233	'121 682	'380 797	'109 284	'488 230	'19 381
323121	Tradebinding and related work .....	3	75	31	2 621	77 468	2 174	4 411	51 533	153 720	35 118	188 794	5 068
323122	Prepress services .....	3	'130	'31	'2 190	'115 241	'1 457	'2 822	'70 149	'227 077	'74 166	'299 436	'14 313
324	Petroleum and coal products manufacturing .....	—	64	32	4 552	271 151	2 721	5 915	142 694	1 443 329	8 200 159	9 688 420	D
3241	Petroleum and coal products manufacturing .....	—	64	32	4 552	271 151	2 721	5 915	142 694	1 443 329	8 200 159	9 688 420	D
32411	Petroleum refineries .....	—	7	5	2 443	166 020	1 445	3 373	91 256	841 550	7 503 185	8 407 811	D
324110	Petroleum refineries .....	—	7	5	2 443	166 020	1 445	3 373	91 256	841 550	7 503 185	8 407 811	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	—	29	13	907	36 532	586	1 080	19 018	203 781	256 684	450 617	D
324121	Asphalt paving mixture and block manufacturing .....	—	18	8	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing .....	—	11	5	f	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing .....	2	28	14	1 202	68 599	690	1 462	32 420	397 998	440 290	829 992	D
324191	Petroleum lubricating oil and grease manufacturing .....	3	24	11	f	D	D	D	D	D	D	D	D
324199	All other petroleum and coal products manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	585	268	46 898	2 745 332	21 350	45 556	1 012 639	11 849 913	7 462 118	19 384 618	785 766
3251	Basic chemical manufacturing .....	2	92	43	3 648	213 583	2 020	3 852	101 128	845 556	871 305	1 712 426	D
32511	Petrochemical manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
325110	Petrochemical manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing .....	1	7	4	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	2	30	18	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing .....	2	29	17	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	3	39	17	1 642	91 489	872	1 557	37 157	349 064	424 252	764 901	49 988
325199	All other basic organic chemical manufacturing .....	3	36	17	1 637	91 173	868	1 550	36 981	347 979	421 404	760 968	49 855
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	47	34	2 250	122 444	1 549	3 254	74 822	892 178	974 667	1 837 836	D
32521	Resin and synthetic rubber manufacturing .....	—	44	32	g	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	—	36	29	2 030	114 578	1 395	2 961	70 267	874 853	957 254	1 803 108	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	5	12	4	253	15 189	108	197	4 368	96 059	172 259	272 517	D
3254	Pharmaceutical and medicine manufacturing .....	—	40	18	21 744	1 528 883	6 787	16 190	425 065	5 621 783	1 879 063	7 529 995	D
32541	Pharmaceutical and medicine manufacturing .....	—	40	18	21 744	1 528 883	6 787	16 190	425 065	5 621 783	1 879 063	7 529 995	D
325412	Pharmaceutical preparation manufacturing .....	—	26	12	21 352	1 506 585	6 642	15 922	420 718	5 558 507	1 848 819	7 439 827	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing—Con.												
3255	Paint, coating, and adhesive manufacturing .....	—	117	58	5 336	230 989	2 983	5 917	96 747	865 683	1 112 587	2 024 648	40 900
32551	Paint and coating manufacturing .....	—	89	43	4 063	173 637	2 246	4 403	70 710	670 605	906 121	1 621 252	20 149
325510	Paint and coating manufacturing .....	—	89	43	4 063	173 637	2 246	4 403	70 710	670 605	906 121	1 621 252	20 149
32552	Adhesive manufacturing .....	—	28	15	1 273	57 352	737	1 514	26 037	195 078	206 466	403 396	20 751
325520	Adhesive manufacturing .....	—	28	15	1 273	57 352	737	1 514	26 037	195 078	206 466	403 396	20 751
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	125	54	9 014	402 319	5 150	10 495	202 534	2 685 767	1 602 622	4 319 976	94 616
32561	Soap and cleaning compound manufacturing .....	—	82	29	4 218	193 012	2 272	4 790	112 308	1 300 663	1 074 076	2 377 558	45 420
325611	Soap and other detergent manufacturing .....	—	39	12	g	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	3	30	9	665	24 805	348	705	10 635	136 403	60 062	209 286	5 225
325613	Surface active agent manufacturing .....	—	13	8	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	1	43	25	4 796	209 307	2 878	5 705	90 226	1 385 104	528 546	1 942 418	49 196
325620	Toilet preparation manufacturing .....	1	43	25	4 796	209 307	2 878	5 705	90 226	1 385 104	528 546	1 942 418	49 196
3259	Other chemical product and preparation manufacturing .....	1	152	57	4 653	231 925	2 753	5 651	107 975	842 887	849 615	1 687 220	36 280
32591	Printing ink manufacturing .....	1	40	18	1 337	66 533	793	1 611	33 404	184 659	287 593	471 940	D
325910	Printing ink manufacturing .....	1	40	18	1 337	66 533	793	1 611	33 404	184 659	287 593	471 940	D
32599	All other chemical product and preparation manufacturing ..	1	112	39	3 316	165 392	1 960	4 040	74 571	658 228	562 022	1 215 280	D
325991	Custom compounding of purchased resins .....	—	29	11	776	34 679	457	999	15 296	100 010	104 626	203 661	6 835
325992	Photographic film, paper, plate, and chemical manufacturing .....	5	21	6	749	41 453	460	960	17 023	138 459	114 721	251 132	D
325998	All other miscellaneous chemical product and preparation manufacturing ..	1	62	22	1 791	89 260	1 043	2 081	42 252	419 759	342 675	760 487	15 038
326	Plastics and rubber products manufacturing .....	1	'697	'410	'49 118	'1 662 315	'37 392	'76 687	'1 055 248	'4 679 993	'3 783 876	'8 478 525	'350 274
3261	Plastics product manufacturing ..	1	'625	'372	'45 040	'1 532 661	'34 496	'70 721	'975 634	'4 332 602	'3 492 383	'7 836 873	'328 092
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	'87	'54	'5 376	'204 354	'4 203	'9 126	'141 585	'588 666	'652 037	'1 243 818	'51 091
326111	Plastics bag manufacturing ..	1	22	15	2 120	74 065	1 724	3 816	54 210	243 821	231 520	475 036	28 725
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	'20	'17	'1 550	'69 416	'1 192	'2 671	'47 996	'184 459	'217 396	'402 757	'13 819
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	2	45	22	1 706	60 873	1 287	2 639	39 379	160 386	203 121	366 025	8 547
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	—	41	19	1 884	64 600	1 494	2 853	43 202	138 664	142 179	279 303	17 574
326121	Unlaminated plastics profile shape manufacturing .....	—	33	16	1 692	58 657	1 343	2 582	39 337	115 947	97 287	212 639	16 962
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing .....	—	13	4	863	40 647	575	744	20 213	78 605	81 924	159 960	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	—	13	4	863	40 647	575	744	20 213	78 605	81 924	159 960	D
32614	Polystyrene foam product manufacturing .....	2	20	12	1 615	47 789	1 416	2 823	37 477	222 758	139 802	361 645	7 946
326140	Polystyrene foam product manufacturing .....	2	20	12	1 615	47 789	1 416	2 823	37 477	222 758	139 802	361 645	7 946
32615	Urethane and other foam product (except polystyrene) manufacturing .....	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
326150	Urethane and other foam product (except polystyrene) manufacturing .....	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
32616	Plastics bottle manufacturing ..	—	19	16	1 500	59 416	1 304	2 581	48 592	193 550	170 861	360 975	27 767
326160	Plastics bottle manufacturing .....	—	19	16	1 500	59 416	1 304	2 581	48 592	193 550	170 861	360 975	27 767
32619	Other plastics product manufacturing .....	1	'430	'257	'32 956	'1 085 466	'24 841	'51 184	'665 390	'2 968 860	'2 232 006	'5 214 923	'216 101
326191	Plastics plumbing fixture manufacturing .....	—	12	10	655	18 826	434	924	11 371	27 985	21 867	50 223	3 851
326199	All other plastics product manufacturing .....	1	'418	'247	'32 301	'1 066 640	'24 407	'50 260	'654 019	'2 940 875	'2 210 139	'5 164 700	'212 250

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
326	Plastics and rubber products manufacturing—Con.												
3262	Rubber product manufacturing . . .	1	'72	'38	'4 078	'129 654	'2 896	'5 966	'79 614	'347 391	'291 493	'641 652	'22 182
32621	Tire manufacturing . . . . .	—	13	5	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing . . . . .	5	11	7	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing . .	5	11	7	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing . . . . .	—	'48	'26	'2 938	'97 669	'2 193	'4 713	'63 591	'273 477	'209 763	'483 805	'7 676
326291	Rubber product manufacturing for mechanical use . . . . .	1	23	12	1 521	46 982	1 172	2 539	33 421	119 049	72 471	191 883	2 498
326299	All other rubber product manufacturing . . . . .	—	'25	'14	'1 417	'50 687	'1 021	'2 174	'30 170	'154 428	'137 292	'291 922	'5 178
327	Nonmetallic mineral product manufacturing . . . . .	1	'388	169	'12 141	'483 878	'9 197	'18 836	'315 959	'1 321 893	'1 083 555	'2 404 893	'77 355
3271	Clay product and refractory manufacturing . . . . .	1	51	17	g	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing . . . . .	1	24	6	f	D	D	D	D	D	D	D	D
327113	Porcelain electrical supply manufacturing . . . . .	1	8	3	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing . . . .	1	27	11	f	D	D	D	D	D	D	D	D
327124	Clay refractory manufacturing . . . . .	2	10	5	e	D	D	D	D	D	D	D	8 111
327125	Nonclay refractory manufacturing . . . . .	—	8	6	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing . . . . .	2	64	17	2 433	74 684	1 977	3 884	49 324	225 233	198 383	419 578	8 746
32721	Glass and glass product manufacturing . . . . .	2	64	17	2 433	74 684	1 977	3 884	49 324	225 233	198 383	419 578	8 746
327213	Glass container manufacturing . . . . .	3	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass . .	1	52	13	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing . . . . .	1	'160	80	'4 785	'201 295	'3 681	'7 614	'142 210	'544 210	'456 428	'1 004 057	'36 309
32732	Ready-mix concrete manufacturing . . . . .	1	83	'45	'2 134	100 577	'1 845	3 753	85 766	'278 298	285 018	564 592	19 114
327320	Ready-mix concrete manufacturing . . . . .	1	83	'45	'2 134	100 577	'1 845	3 753	85 766	'278 298	285 018	564 592	19 114
32733	Concrete pipe, brick, and block manufacturing . . . . .	1	31	20	985	45 416	583	1 269	23 280	138 143	83 652	219 490	D
327331	Concrete block and brick manufacturing . . . . .	1	19	12	561	27 629	324	731	13 324	87 452	57 316	143 941	5 022
327332	Concrete pipe manufacturing . . . . .	2	12	8	424	17 787	259	538	9 956	50 691	26 336	75 549	D
32739	Other concrete product manufacturing . . . . .	2	'43	'14	'1 549	'50 898	'1 188	'2 457	'31 870	'111 623	'77 844	'193 699	'7 366
327390	Other concrete product manufacturing . . . . .	2	'43	'14	'1 549	'50 898	'1 188	'2 457	'31 870	'111 623	'77 844	'193 699	'7 366
3274	Lime and gypsum product manufacturing . . . . .	1	16	9	f	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing . . . . .	—	12	8	f	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing . . . . .	—	12	8	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing . . . . .	1	97	46	2 963	130 529	1 998	4 064	69 192	349 152	200 487	553 012	18 820
32791	Abrasive product manufacturing . . . . .	—	35	19	1 537	71 693	963	1 979	29 267	178 824	113 970	297 082	8 722
327910	Abrasive product manufacturing . . . . .	—	35	19	1 537	71 693	963	1 979	29 267	178 824	113 970	297 082	8 722
32799	All other nonmetallic mineral product manufacturing . . . . .	2	62	27	1 426	58 836	1 035	2 085	39 925	170 328	86 517	255 930	10 098
327991	Cut stone and stone product manufacturing . . . . .	3	36	14	604	22 228	467	898	15 782	52 296	23 579	73 518	1 493
327992	Ground or treated mineral and earth manufacturing . . .	2	12	7	420	19 996	323	663	15 336	73 974	23 011	96 951	1 261

See footnotes at end of table.



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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
331	Primary metal manufacturing .....	—	250	134	36 447	1 820 956	27 485	57 935	1 289 228	4 834 994	6 879 407	11 891 769	208 343
3311	Iron and steel mills and ferroalloy manufacturing .....	—	'27	22	'22 232	'1 222 841	'17 155	'35 895	'926 363	'3 278 213	'4 656 217	'8 075 268	125 963
33111	Iron and steel mills and ferroalloy manufacturing .....	—	'27	22	'22 232	'1 222 841	'17 155	'35 895	'926 363	'3 278 213	'4 656 217	'8 075 268	125 963
331111	Iron and steel mills .....	—	27	22	22 232	1 222 841	17 155	35 895	926 363	3 278 213	4 656 217	8 075 268	125 963
3312	Steel product manufacturing from purchased steel .....	—	37	27	3 155	142 285	2 283	4 784	98 564	448 466	826 091	1 266 747	22 029
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	12	10	1 577	72 630	1 079	2 245	49 631	228 575	424 358	649 355	10 215
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	12	10	1 577	72 630	1 079	2 245	49 631	228 575	424 358	649 355	10 215
33122	Rolling and drawing of purchased steel .....	—	25	17	1 578	69 655	1 204	2 539	48 933	219 891	401 733	617 392	11 814
331221	Rolled steel shape manufacturing .....	—	15	12	g	D	D	D	D	D	D	D	D
331222	Steel wire drawing .....	—	10	5	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	1	31	14	1 606	65 294	1 240	2 707	44 522	160 593	458 828	655 158	D
33131	Alumina and aluminum production and processing .....	1	31	14	1 606	65 294	1 240	2 707	44 522	160 593	458 828	655 158	D
331314	Secondary smelting and alloying of aluminum .....	—	10	4	308	13 115	216	475	7 922	31 980	122 866	154 709	1 881
331315	Aluminum sheet, plate, and foil manufacturing .....	1	8	4	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
331319	Other aluminum rolling and drawing .....	—	7	4	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	1	'44	17	'3 098	'164 914	'1 687	'3 772	'63 063	'438 338	'549 201	'1 004 176	D
33142	Copper rolling, drawing, extruding, and alloying .....	—	'17	11	'2 414	'134 401	'1 218	'2 748	'47 238	'365 757	'456 291	'838 584	17 994
331421	Copper rolling, drawing, and extruding .....	1	'6	5	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing .....	—	4	2	g	D	D	D	D	D	D	D	D
331423	Secondary smelting, refining, and alloying of copper .....	—	7	4	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	3	20	4	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	4	14	2	332	13 998	231	508	6 899	39 595	36 273	75 846	D
3315	Foundries .....	1	111	54	6 356	225 622	5 120	10 777	156 716	509 384	389 070	890 420	30 207
33151	Ferrous metal foundries .....	4	29	12	1 780	64 044	1 384	2 911	41 034	131 053	146 725	271 753	5 230
331511	Iron foundries .....	2	17	7	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	5	11	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	—	82	42	4 576	161 578	3 736	7 866	115 682	378 331	242 345	618 667	24 977
331521	Aluminum die-casting foundries .....	—	25	16	2 644	91 437	2 189	4 900	67 370	218 570	145 176	360 784	D
331522	Nonferrous (except aluminum) die-casting foundries .....	1	16	11	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	2	20	6	496	18 138	401	802	11 763	40 754	19 177	60 171	908
331525	Copper foundries (except die-casting) .....	2	12	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	'2 843	961	'81 390	'3 148 453	'60 850	'122 693	'2 021 207	'7 356 726	'5 545 795	'12 860 227	'397 927
3321	Forging and stamping .....	2	264	132	13 665	522 742	10 515	20 757	343 237	1 087 633	1 121 467	2 198 732	54 882
33211	Forging and stamping .....	2	264	132	13 665	522 742	10 515	20 757	343 237	1 087 633	1 121 467	2 198 732	54 882
332111	Iron and steel forging .....	2	21	15	1 340	48 593	1 041	2 097	36 096	100 531	103 202	205 484	D
332112	Nonferrous forging .....	8	6	3	g	D	D	D	D	D	D	D	D
332114	Custom roll forming .....	—	27	14	1 516	55 393	1 142	2 488	39 023	139 339	197 447	327 875	6 406
332115	Crown and closure manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	444
332116	Metal stamping .....	2	196	94	9 051	337 133	7 058	13 787	219 196	741 014	637 453	1 380 127	32 145
332117	Powder metallurgy part manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	6 926

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3322	Cutlery and handtool manufacturing .....	1	'92	'40	'4 165	'159 059	'3 032	'6 232	'96 406	'418 990	'224 173	'617 657	'17 315
33221	Cutlery and handtool manufacturing .....	1	'92	'40	'4 165	'159 059	'3 032	'6 232	'96 406	'418 990	'224 173	'617 657	'17 315
332212	Hand and edge tool manufacturing .....	—	79	34	3 463	132 809	2 523	5 141	80 487	357 576	171 214	498 197	15 942
332214	Kitchen utensil, pot, and pan manufacturing .....	'1	'3	'2	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	2	'367	'137	'9 637	'364 920	'6 843	'13 778	'218 689	'892 764	'619 870	'1 508 252	'37 526
33231	Plate work and fabricated structural product manufacturing .....	2	132	50	3 012	121 840	2 066	4 291	68 080	267 910	239 209	499 662	11 344
332312	Fabricated structural metal manufacturing .....	3	92	34	2 120	91 059	1 444	3 048	51 523	205 162	187 652	388 315	9 412
332313	Plate work manufacturing .....	2	33	14	783	26 025	575	1 132	15 087	47 156	35 668	81 999	1 590
33232	Ornamental and architectural metal products manufacturing .....	1	'235	'87	'6 625	'243 080	'4 777	'9 487	'150 609	'624 854	'380 661	'1 008 590	'26 182
332321	Metal window and door manufacturing .....	2	36	11	914	28 249	661	1 346	18 381	76 967	54 593	131 894	3 086
332322	Sheet metal work manufacturing .....	1	136	55	4 173	156 566	3 082	6 080	101 001	397 659	255 422	655 530	14 544
332323	Ornamental and architectural metal work manufacturing ..	1	'63	'21	'1 538	'58 265	'1 034	'2 061	'31 227	'150 228	'70 646	'221 166	'8 552
3324	Boiler, tank, and shipping container manufacturing .....	1	60	32	4 026	160 571	3 153	6 823	111 586	507 378	603 488	1 104 603	21 387
33241	Power boiler and heat exchanger manufacturing ....	8	12	7	542	20 697	398	783	12 104	47 164	27 401	74 710	1 030
332410	Power boiler and heat exchanger manufacturing ..	8	12	7	542	20 697	398	783	12 104	47 164	27 401	74 710	1 030
33242	Metal tank (heavy gauge) manufacturing .....	6	11	4	312	11 930	222	450	7 320	26 509	21 588	47 438	457
332420	Metal tank (heavy gauge) manufacturing .....	6	11	4	312	11 930	222	450	7 320	26 509	21 588	47 438	457
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	37	21	3 172	127 944	2 533	5 590	92 162	433 705	554 499	982 455	19 900
332431	Metal can manufacturing ....	—	12	8	1 284	65 788	1 113	2 506	54 615	297 373	363 925	658 558	12 422
332439	Other metal container manufacturing .....	—	25	13	1 888	62 156	1 420	3 084	37 547	136 332	190 574	323 897	7 478
3325	Hardware manufacturing .....	—	47	25	2 525	91 440	1 840	3 286	51 120	204 494	125 715	331 365	8 276
33251	Hardware manufacturing .....	—	47	25	2 525	91 440	1 840	3 286	51 120	204 494	125 715	331 365	8 276
332510	Hardware manufacturing ....	—	47	25	2 525	91 440	1 840	3 286	51 120	204 494	125 715	331 365	8 276
3326	Spring and wire product manufacturing .....	2	174	60	4 835	170 187	3 766	7 721	106 507	396 890	291 246	688 239	20 256
33261	Spring and wire product manufacturing .....	2	174	60	4 835	170 187	3 766	7 721	106 507	396 890	291 246	688 239	20 256
332611	Spring (heavy gauge) manufacturing .....	1	15	8	f	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing .....	—	43	25	g	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	3	116	27	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	'1 143	277	'20 157	'801 018	'14 968	'30 837	'522 389	'1 676 327	'892 818	'2 561 995	'109 271
33271	Machine shops .....	2	'872	144	'10 305	'410 682	'7 809	'15 625	'275 054	'807 008	'340 491	'1 138 262	'37 860
332710	Machine shops .....	2	'872	144	'10 305	'410 682	'7 809	'15 625	'275 054	'807 008	'340 491	'1 138 262	'37 860
33272	Turned product and screw, nut, and bolt manufacturing .....	2	271	133	9 852	390 336	7 159	15 212	247 335	869 319	552 327	1 423 733	71 411
332721	Precision turned product manufacturing .....	2	175	80	5 850	225 813	4 538	9 670	157 648	454 832	209 253	663 078	47 241
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	3	96	53	4 002	164 523	2 621	5 542	89 687	414 487	343 074	760 655	24 170
3328	Coating, engraving, heat treating, and allied activities .....	1	369	140	9 621	347 022	7 369	15 155	230 259	742 535	478 231	1 221 902	38 448
33281	Coating, engraving, heat treating, and allied activities ..	1	369	140	9 621	347 022	7 369	15 155	230 259	742 535	478 231	1 221 902	38 448
332811	Metal heat treating .....	—	38	18	1 125	40 424	846	1 761	28 336	96 963	45 108	142 550	7 530
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	122	47	3 217	123 720	2 534	5 127	87 069	280 378	271 846	549 948	17 774
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	209	75	5 279	182 878	3 989	8 267	114 854	365 194	161 277	529 404	13 144

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing .....	1	327	118	12 759	531 494	9 364	18 104	341 014	1 429 715	1 188 787	2 627 482	90 566
33291	Metal valve manufacturing ....	1	74	48	4 639	206 154	3 199	6 377	117 884	506 844	428 061	942 308	19 103
332911	Industrial valve manufacturing .....	—	20	14	1 393	63 573	918	1 904	34 772	202 164	123 093	322 996	7 283
332912	Fluid power valve and hose fitting manufacturing .....	—	19	11	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	1	13	7	g	D	D	D	D	D	D	D	D
332919	Other metal valve and pipe fitting manufacturing .....	3	22	16	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	1	253	70	8 120	325 340	6 165	11 727	223 130	922 871	760 726	1 685 174	71 463
332991	Ball and roller bearing manufacturing .....	—	10	7	1 498	67 561	1 213	2 377	51 563	205 527	124 466	331 859	24 353
332996	Fabricated pipe and pipe fitting manufacturing .....	7	26	5	328	12 500	263	533	8 166	29 762	22 715	52 749	2 946
332998	Enameled iron and metal sanitary ware manufacturing .....	—	6	3	896	31 947	542	998	18 689	111 548	30 785	142 740	1 882
332999	All other miscellaneous fabricated metal product manufacturing .....	1	195	54	5 332	210 773	4 097	7 757	142 930	570 773	581 005	1 150 900	42 058
333	Machinery manufacturing .....	1	'1 479	'484	'49 728	'2 262 794	'30 646	'62 783	'1 132 010	'5 395 077	'4 694 461	'10 095 712	'290 248
3331	Agriculture, construction, and mining machinery manufacturing .....	—	42	16	4 146	202 670	2 519	5 482	90 750	753 721	1 137 042	1 924 358	D
33311	Agricultural implement manufacturing .....	—	16	5	g	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	2	12	2	299	9 854	225	418	6 122	4 287	9 458	15 605	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	25	10	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	25	10	h	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'210	'77	'6 814	'326 589	'3 687	'7 677	'144 811	'711 297	'532 379	'1 242 757	D
33322	Plastics and rubber industry machinery manufacturing ....	—	27	8	g	D	D	D	D	D	D	D	9 253
333220	Plastics and rubber industry machinery manufacturing ..	—	27	8	g	D	D	D	D	D	D	D	9 253
33329	Other industrial machinery manufacturing .....	2	'177	'68	'5 531	'268 005	'2 984	'6 193	'118 807	'562 450	'442 554	'1 007 439	'16 889
333292	Textile machinery manufacturing .....	1	9	2	e	D	D	D	D	D	D	D	281
333293	Printing machinery and equipment manufacturing ..	2	58	26	g	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing .....	—	30	13	1 246	71 261	663	1 440	34 226	158 893	112 559	270 141	7 303
333298	All other industrial machinery manufacturing .....	2	'71	'24	'2 283	'104 570	'1 193	'2 364	'44 831	'218 512	'171 918	'390 906	'5 739
3333	Commercial and service industry machinery manufacturing .....	2	'112	'46	'4 905	'219 065	'2 281	'4 589	'74 693	'529 249	'423 917	'937 066	'24 046
33331	Commercial and service industry machinery manufacturing .....	2	'112	'46	'4 905	'219 065	'2 281	'4 589	'74 693	'529 249	'423 917	'937 066	'24 046
333311	Automatic vending machine manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
333312	Commercial laundry, drycleaning, and pressing machine manufacturing ....	1	7	4	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	7	4	838	37 688	397	781	11 885	110 056	63 714	160 615	D
333319	Other commercial and service industry machinery manufacturing .....	2	'65	'30	'2 635	'114 324	'1 307	'2 625	'43 879	'278 389	'258 221	'533 345	'15 009
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	72	38	3 612	133 708	2 431	4 741	69 676	292 945	279 495	569 489	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	72	38	3 612	133 708	2 431	4 741	69 676	292 945	279 495	569 489	D
333411	Air purification equipment manufacturing .....	4	23	10	724	27 996	447	918	13 671	60 864	47 804	109 089	D
333412	Industrial and commercial fan and blower manufacturing ..	—	10	8	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	1	30	17	1 531	54 704	1 077	2 120	29 742	133 849	157 280	287 964	4 373
3335	Metalworking machinery manufacturing .....	3	'645	'139	'10 867	'501 235	'7 642	'15 537	'310 496	'1 066 289	'518 754	'1 556 539	'61 728
33351	Metalworking machinery manufacturing .....	3	'645	'139	'10 867	'501 235	'7 642	'15 537	'310 496	'1 066 289	'518 754	'1 556 539	'61 728
333511	Industrial mold manufacturing .....	1	210	41	2 842	139 708	2 113	4 253	95 082	260 776	94 739	353 260	16 088
333512	Machine tool (metal cutting types) manufacturing .....	6	25	11	769	36 846	410	867	16 673	75 827	66 380	141 400	4 057
333513	Machine tool (metal forming types) manufacturing .....	—	12	5	294	16 879	176	344	7 981	36 332	29 605	60 637	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	2	235	42	3 065	141 912	2 200	4 430	90 033	262 863	87 965	350 169	12 886
333515	Cutting tool and machine tool accessory manufacturing ...	3	125	22	2 255	87 302	1 671	3 308	57 269	195 765	96 112	272 173	16 746
333518	Other metalworking machinery manufacturing ..	'6	'31	'15	'1 396	'65 925	'915	'1 962	'36 491	'216 207	'122 088	'335 108	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	1	51	30	4 125	192 996	2 961	6 043	118 432	407 903	495 006	893 849	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	1	51	30	4 125	192 996	2 961	6 043	118 432	407 903	495 006	893 849	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	1	29	14	g	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	5	12	8	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	9	7	1 100	53 447	884	1 852	39 179	140 753	338 413	470 055	D
3339	Other general purpose machinery manufacturing .....	1	'347	'138	'15 259	'686 531	'9 125	'18 714	'323 152	'1 633 673	'1 307 868	'2 971 654	'108 291
33391	Pump and compressor manufacturing .....	1	'35	'21	'3 278	'150 883	'2 096	'4 407	'79 123	'368 827	'233 343	'622 633	'9 247
333911	Pump and pumping equipment manufacturing ..	—	18	14	1 707	85 957	1 028	2 319	43 639	193 108	165 098	378 420	5 831
333912	Air and gas compressor manufacturing .....	1	'17	'7	'1 571	'64 926	'1 068	'2 088	'35 484	'175 719	'68 245	'244 213	'3 416
33392	Material handling equipment manufacturing .....	1	72	29	2 637	120 764	1 453	2 832	53 462	251 645	301 788	548 966	24 291
333921	Elevator and moving stairway manufacturing .....	1	10	5	369	15 468	198	364	7 065	33 766	26 640	56 478	422
333922	Conveyor and conveying equipment manufacturing ..	2	44	15	1 251	60 961	691	1 447	29 029	113 868	94 387	208 549	20 565
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	—	9	5	276	9 899	124	224	3 835	17 289	19 886	37 509	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	9	4	741	34 436	440	797	13 533	86 722	160 875	246 430	D
33399	All other general purpose machinery manufacturing ....	2	240	88	9 344	414 884	5 576	11 475	190 567	1 013 201	772 737	1 800 055	74 753
333991	Power-driven handtool manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	2	12	8	364	13 752	215	425	6 126	34 753	18 567	50 020	D
333993	Packaging machinery manufacturing .....	2	44	17	2 112	124 049	855	1 751	35 748	279 213	213 860	482 846	D
333994	Industrial process furnace and oven manufacturing ...	1	19	9	830	33 966	548	1 159	17 474	93 714	44 853	137 861	D
333995	Fluid power cylinder and actuator manufacturing ....	—	25	13	2 800	114 446	1 901	4 061	65 883	263 493	216 558	495 024	D
333997	Scale and balance (except laboratory) manufacturing ..	—	6	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing—Con.												
33399	All other general purpose machinery manufacturing—Con.												
333999	All other miscellaneous general purpose machinery manufacturing .....	4	124	33	2 596	101 662	1 595	3 141	48 996	248 062	173 842	425 471	7 910
334	Computer and electronic product manufacturing .....	—	'605	255	'37 822	'1 770 827	'18 984	'36 373	'567 753	'4 484 222	'4 080 292	'8 865 894	154 514
3341	Computer and peripheral equipment manufacturing .....	—	44	11	2 319	136 010	813	1 623	29 777	361 905	311 375	672 848	D
33411	Computer and peripheral equipment manufacturing ....	—	44	11	2 319	136 010	813	1 623	29 777	361 905	311 375	672 848	D
334119	Other computer peripheral equipment manufacturing ..	—	36	10	g	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	73	34	j	D	D	D	D	D	D	D	52 855
33421	Telephone apparatus manufacturing .....	1	21	13	i	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	1	21	13	i	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	27	11	g	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	27	11	g	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	3	25	10	g	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	3	25	10	g	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing .....	—	18	9	g	D	D	D	D	D	D	D	8 505
33431	Audio and video equipment manufacturing .....	—	18	9	g	D	D	D	D	D	D	D	8 505
334310	Audio and video equipment manufacturing .....	—	18	9	g	D	D	D	D	D	D	D	8 505
3344	Semiconductor and other electronic component manufacturing .....	1	254	119	10 901	344 838	7 657	14 603	182 533	767 698	554 442	1 330 346	38 270
33441	Semiconductor and other electronic component manufacturing .....	1	254	119	10 901	344 838	7 657	14 603	182 533	767 698	554 442	1 330 346	38 270
334412	Bare printed circuit board manufacturing .....	1	64	33	2 578	78 537	1 991	3 666	47 207	152 628	100 502	254 150	12 976
334413	Semiconductor and related device manufacturing .....	6	18	7	275	12 245	156	316	4 773	30 015	12 478	43 251	D
334415	Electronic resistor manufacturing .....	—	4	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing .....	—	36	22	1 376	38 011	1 048	1 846	21 188	72 152	47 983	119 956	1 883
334417	Electronic connector manufacturing .....	1	14	7	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	1	35	22	2 336	68 074	1 426	2 897	32 678	142 075	176 203	319 487	3 526
334419	Other electronic component manufacturing .....	1	75	24	3 104	106 584	2 207	4 289	56 394	272 506	165 602	441 058	14 765
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	'180	73	'11 101	'617 454	'4 892	'8 880	'168 534	'1 465 895	'1 205 559	'2 673 216	40 155
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	'180	73	'11 101	'617 454	'4 892	'8 880	'168 534	'1 465 895	'1 205 559	'2 673 216	40 155
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	1	16	11	1 494	71 087	743	1 466	20 772	204 219	145 436	354 590	4 649
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	11	5	2 679	207 373	890	1 204	43 626	315 154	344 758	686 685	14 324

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)				
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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>											
334	Computer and electronic product manufacturing—Con.											
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.											
33451	Navigational, measuring, electromedical, and control instruments manufacturing—Con.											
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	—	19	7	1 295	48 444	768	1 403	17 240	226 173	128 084	354 367
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables.....	1	36	15	1 465	65 870	649	1 224	21 152	140 161	94 865	238 175
334514	Totalizing fluid meter and counting device manufacturing.....	—	13	6	f	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals.....	1	'18	7	f	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing..	—	13	4	e	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing.....	—	22	8	1 573	99 637	705	1 377	29 402	284 361	284 519	533 803
334519	Other measuring and controlling device manufacturing.....	1	27	9	851	41 447	338	677	11 656	91 411	59 732	152 304
3346	Manufacturing and reproducing magnetic and optical media.....	6	36	9	f	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	6	36	9	f	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing.....	7	22	8	f	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing.....	1	'369	171	'24 051	'952 313	'15 333	'30 753	'456 390	'2 727 196	'2 099 329	'4 843 093
3351	Electric lighting equipment manufacturing.....	—	67	34	h	D	D	D	D	D	D	8 898
33512	Lighting fixture manufacturing..	—	63	31	4 614	163 252	2 851	5 658	69 306	593 729	349 299	943 069
335121	Residential electric lighting fixture manufacturing.....	1	24	13	h	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing.....	—	21	11	f	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing.....	—	18	7	f	D	D	D	D	D	D	D
3352	Household appliance manufacturing.....	—	13	9	g	D	D	D	D	D	D	12 737
33521	Small electrical appliance manufacturing.....	—	5	4	f	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing.....	—	5	4	f	D	D	D	D	D	D	D
33522	Major appliance manufacturing..	—	8	5	g	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing.....	—	5	4	g	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing.....	1	156	71	9 391	405 683	5 946	12 274	196 493	1 041 464	646 104	1 708 082
33531	Electrical equipment manufacturing.....	1	156	71	9 391	405 683	5 946	12 274	196 493	1 041 464	646 104	1 708 082
335311	Power, distribution, and specialty transformer manufacturing.....	—	15	9	1 218	47 810	674	1 230	16 258	239 967	115 632	371 242
335312	Motor and generator manufacturing.....	1	30	17	1 938	73 509	1 456	2 895	47 815	167 684	97 609	264 405
335313	Switchgear and switchboard apparatus manufacturing..	—	33	16	3 938	184 412	2 440	5 540	90 114	440 152	278 771	719 279
335314	Relay and industrial control manufacturing.....	3	78	29	2 297	99 952	1 376	2 609	42 306	193 661	154 092	353 156

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing . . . . .	1	'133	57	i	D	D	D	D	D	D	D	45 296
33591	Battery manufacturing . . . . .	—	7	3	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing . . . . .	—	7	3	e	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing . . . . .	1	'10	'8	g	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing . . . . .	1	9	8	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing . . . . .	—	'54	'28	'4 553	'180 939	'3 091	'6 024	'94 384	'546 030	'398 558	'940 588	'29 769
335931	Current-carrying wiring device manufacturing . . . . .	1	38	18	2 902	106 879	1 995	3 774	55 235	279 820	224 349	500 088	12 124
335932	Noncurrent-carrying wiring device manufacturing . . . . .	—	'16	'10	'1 651	'74 060	'1 096	'2 250	'39 149	'266 210	'174 209	'440 500	'17 645
33599	All other electrical equipment and component manufacturing . . . . .	6	'62	18	'1 659	'65 213	'824	'1 562	'22 548	'135 616	'146 036	'284 800	4 502
335999	All other miscellaneous electrical equipment and component manufacturing . . . . .	6	'59	18	'1 642	'64 685	'809	'1 534	'22 206	'134 580	'144 852	'282 525	4 473
336	Transportation equipment manufacturing . . . . .	—	302	142	26 478	1 234 167	19 753	36 750	836 069	3 759 276	5 727 929	9 429 032	191 072
3361	Motor vehicle manufacturing . . . . .	—	11	2	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing . . . . .	—	10	2	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing . . . . .	—	6	2	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing . . . . .	—	16	7	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing . . . . .	—	16	7	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing . . . . .	1	11	4	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing . . . . .	—	212	102	18 259	766 296	14 432	25 832	547 772	1 965 283	2 346 511	4 265 440	144 924
33631	Motor vehicle gasoline engine and engine parts manufacturing . . . . .	—	31	11	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing . . . . .	—	27	10	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing . . . . .	1	49	20	2 154	76 382	1 369	2 692	33 697	286 087	210 950	498 176	D
336321	Vehicular lighting equipment manufacturing . . . . .	—	8	5	370	10 416	258	484	4 696	24 566	12 596	37 761	D
336322	Other motor vehicle electrical and electronic equipment manufacturing . . . . .	1	41	15	1 784	65 966	1 111	2 208	29 001	261 521	198 354	460 415	12 588
33634	Motor vehicle brake system manufacturing . . . . .	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
336340	Motor vehicle brake system manufacturing . . . . .	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
33635	Motor vehicle transmission and power train parts manufacturing . . . . .	—	22	11	2 613	121 658	2 106	4 546	85 513	330 964	214 854	542 183	16 936
336350	Motor vehicle transmission and power train parts manufacturing . . . . .	—	22	11	2 613	121 658	2 106	4 546	85 513	330 964	214 854	542 183	16 936
33636	Motor vehicle seating and interior trim manufacturing . . . . .	—	8	6	1 443	58 126	1 135	2 451	42 144	154 495	291 132	444 862	D
336360	Motor vehicle seating and interior trim manufacturing . . . . .	—	8	6	1 443	58 126	1 135	2 451	42 144	154 495	291 132	444 862	D
33637	Motor vehicle metal stamping . . . . .	—	49	32	7 129	277 434	5 728	7 705	201 593	626 270	711 406	1 316 594	58 834
336370	Motor vehicle metal stamping . . . . .	—	49	32	7 129	277 434	5 728	7 705	201 593	626 270	711 406	1 316 594	58 834
33639	Other motor vehicle parts manufacturing . . . . .	2	41	19	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing . . . . .	3	39	18	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing . . . . .	4	9	6	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing . . . . .	4	9	6	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing . . . . .	5	6	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
336	Transportation equipment manufacturing—Con.												
3365	Railroad rolling stock manufacturing .....	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
33651	Railroad rolling stock manufacturing .....	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
336510	Railroad rolling stock manufacturing .....	—	29	21	3 960	227 729	1 921	4 015	106 191	705 136	953 266	1 648 885	D
3369	Other transportation equipment manufacturing .....	1	19	3	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	1	19	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	'637	'149	'16 296	'515 305	'12 364	'25 425	'323 232	'1 247 260	'922 775	'2 166 817	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	3	'439	74	'6 880	'201 884	'5 429	'10 930	'135 525	'446 355	'332 821	'778 479	D
33711	Wood kitchen cabinet and countertop manufacturing ....	3	'228	29	'3 016	'93 901	'2 303	'4 778	'62 567	'177 256	'106 474	'283 576	D
337110	Wood kitchen cabinet and countertop manufacturing ..	3	'228	29	'3 016	'93 901	'2 303	'4 778	'62 567	'177 256	'106 474	'283 576	D
33712	Household and institutional furniture manufacturing .....	2	211	45	3 864	107 983	3 126	6 152	72 958	269 099	226 347	494 903	D
337121	Upholstered household furniture manufacturing ....	—	77	16	1 070	27 012	912	1 734	20 618	91 443	86 187	177 078	3 583
337122	Nonupholstered wood household furniture manufacturing .....	5	83	11	1 230	28 600	1 036	2 071	21 924	68 760	56 009	124 543	D
337127	Institutional furniture manufacturing .....	2	32	13	1 037	36 638	785	1 532	21 509	79 556	64 708	144 414	D
337129	Wood television, radio, and sewing machine cabinet manufacturing .....	1	7	3	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	1	'154	'64	'8 254	'274 730	'6 120	'12 905	'164 325	'692 857	'497 407	'1 187 002	D
33721	Office furniture (including fixtures) manufacturing .....	1	'154	'64	'8 254	'274 730	'6 120	'12 905	'164 325	'692 857	'497 407	'1 187 002	D
337211	Wood office furniture manufacturing .....	6	21	6	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing .....	2	'41	'16	'1 073	'48 851	'671	'1 340	'25 318	'101 386	'61 015	'159 680	D
337214	Office furniture (except wood) manufacturing .....	—	11	4	g	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing .....	—	81	38	5 589	171 596	4 186	8 911	105 090	464 511	354 823	824 983	10 085
3379	Other furniture related product manufacturing .....	3	44	11	1 162	38 691	815	1 590	23 382	108 048	92 547	201 336	D
33791	Mattress manufacturing .....	1	19	7	690	25 273	516	1 021	15 857	76 909	63 774	140 640	D
337910	Mattress manufacturing .....	1	19	7	690	25 273	516	1 021	15 857	76 909	63 774	140 640	D
33792	Blind and shade manufacturing .....	6	25	4	472	13 418	299	569	7 525	31 139	28 773	60 696	D
337920	Blind and shade manufacturing .....	6	25	4	472	13 418	299	569	7 525	31 139	28 773	60 696	D
339	Miscellaneous manufacturing .....	2	'1 102	'278	'28 497	'1 103 305	'17 454	'33 466	'479 617	'2 903 535	'1 882 788	'4 805 409	'166 781
3391	Medical equipment and supplies manufacturing .....	2	396	72	7 742	291 006	4 868	9 702	134 992	704 712	354 494	1 060 041	50 368
33911	Medical equipment and supplies manufacturing .....	2	396	72	7 742	291 006	4 868	9 702	134 992	704 712	354 494	1 060 041	50 368
339111	Laboratory apparatus and furniture manufacturing ....	—	9	7	567	25 334	293	642	9 187	58 146	34 632	93 713	D
339112	Surgical and medical instrument manufacturing ..	2	43	18	1 634	60 834	1 002	2 111	28 041	175 446	74 303	249 243	14 811
339113	Surgical appliance and supplies manufacturing ....	5	54	19	1 976	71 933	1 450	2 942	33 039	166 213	95 655	260 672	7 807
339114	Dental equipment and supplies manufacturing ....	—	42	8	1 300	55 549	612	1 186	20 198	175 048	96 557	274 792	10 287
339115	Ophthalmic goods manufacturing .....	2	20	5	904	35 821	518	937	14 845	60 002	36 968	95 652	D
339116	Dental laboratories .....	3	228	15	1 361	41 535	993	1 884	29 682	69 857	16 379	85 969	D

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<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>													
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing .....	2	'706	'206	'20 755	'812 299	'12 586	'23 764	'344 625	'2 198 823	'1 528 294	'3 745 368	'116 413
33991	Jewelry and silverware manufacturing .....	4	63	15	f	D	D	D	D	D	D	D	D
339911	Jewelry (except costume) manufacturing .....	4	38	9	f	D	D	D	D	D	D	D	D
339912	Silverware and hollowware manufacturing .....	1	6	3	e	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing .....	—	'56	'11	'1 538	'75 075	'650	'1 276	'16 472	'296 251	'180 018	'476 489	D
339920	Sporting and athletic goods manufacturing .....	—	'56	'11	'1 538	'75 075	'650	'1 276	'16 472	'296 251	'180 018	'476 489	D
33993	Doll, toy, and game manufacturing .....	2	35	9	f	D	D	D	D	D	D	D	10 879
339932	Game, toy, and children's vehicle manufacturing .....	2	29	8	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing .....	5	40	13	g	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing .....	2	11	9	f	D	D	D	D	D	D	D	D
339943	Marking device manufacturing .....	—	25	3	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	3	'196	'53	'4 249	'171 596	'2 395	'4 621	'71 776	'364 536	'273 033	'634 028	'12 987
339950	Sign manufacturing .....	3	'196	'53	'4 249	'171 596	'2 395	'4 621	'71 776	'364 536	'273 033	'634 028	'12 987
33999	All other miscellaneous manufacturing .....	1	'316	'105	'11 197	'429 012	'7 226	'13 504	'199 566	'975 005	'657 776	'1 644 869	'68 942
339991	Gasket, packing, and sealing device manufacturing .....	—	33	13	3 084	128 388	2 038	3 438	64 875	209 249	171 377	384 348	13 018
339992	Musical instrument manufacturing .....	2	26	13	952	29 707	719	1 398	19 758	61 753	37 520	102 912	D
339994	Broom, brush, and mop manufacturing .....	2	14	10	1 063	40 505	601	1 157	17 475	99 807	57 372	157 886	3 920
339999	All other miscellaneous manufacturing .....	2	'234	'66	'5 912	'222 085	'3 754	'7 281	'93 897	'566 239	'382 824	'953 176	'50 300
<b>Chicago-Naperville-Joliet, IL Metropolitan Division</b>													
31-33	Manufacturing .....	1	'11 272	'4 020	'443 505	'17 688 771	'302 443	'606 754	'9 842 946	'52 570 840	'49 685 266	'102 633 179	'3 130 806
311	Food manufacturing .....	1	823	321	53 960	1 854 804	37 113	75 473	1 147 740	8 337 269	7 253 146	15 569 514	352 868
3111	Animal food manufacturing .....	3	17	5	370	14 976	191	408	5 900	72 441	52 266	124 611	D
31111	Animal food manufacturing .....	3	17	5	370	14 976	191	408	5 900	72 441	52 266	124 611	D
311119	Other animal food manufacturing .....	3	11	5	e	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling .....	—	16	12	2 543	139 240	1 927	4 083	100 305	1 099 614	812 695	1 917 364	D
31121	Flour milling and malt manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
311211	Flour milling .....	—	3	2	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	1	8	6	g	D	D	D	D	D	D	D	11 846
311221	Wet corn milling .....	—	1	1	e	D	D	D	D	D	D	D	D
311222	Soybean processing .....	9	2	1	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending .....	—	5	4	497	20 150	393	885	14 555	30 201	159 787	188 821	D
31123	Breakfast cereal manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	—	64	23	i	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate .....	—	34	8	5 099	140 192	2 551	5 314	97 520	855 705	433 852	1 299 106	D
311330	Confectionery manufacturing from purchased chocolate .....	—	34	8	5 099	140 192	2 551	5 314	97 520	855 705	433 852	1 299 106	D
31134	Nonchocolate confectionery manufacturing .....	—	25	14	h	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	25	14	h	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	63	35	i	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing .....	—	33	18	h	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	—	30	17	h	D	D	D	D	D	D	D	11 194

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
311	Food manufacturing—Con.												
3114	Fruit and vegetable preserving and specialty food manufacturing—Con.												
31142	Fruit and vegetable canning, pickling, and drying . . . . .	3	30	17	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning . . . . .	2	18	12	g	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing . . . . .	4	7	3	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing . . . . .	3	30	11	1 771	78 114	1 270	2 709	54 446	413 574	428 603	843 047	D
31151	Dairy product (except frozen) manufacturing . . . . .	1	19	8	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing . . . . .	—	11	6	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing . . . . .	6	11	3	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing . . . . .	6	11	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing . . . . .	2	111	72	11 331	376 596	8 782	19 699	238 326	1 284 899	2 381 274	3 635 150	71 678
31161	Animal slaughtering and processing . . . . .	2	111	72	11 331	376 596	8 782	19 699	238 326	1 284 899	2 381 274	3 635 150	71 678
311611	Animal (except poultry) slaughtering . . . . .	1	33	20	h	D	D	D	D	D	D	D	9 810
311612	Meat processed from carcasses . . . . .	2	66	45	6 565	225 947	4 962	11 043	137 953	761 405	1 271 212	2 029 484	D
311613	Rendering and meat byproduct processing . . . . .	8	4	2	e	D	D	D	D	D	D	D	D
311615	Poultry processing . . . . .	1	8	5	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing . . . . .	1	374	102	15 056	505 174	9 378	17 330	296 965	2 047 493	924 411	2 966 606	65 420
31181	Bread and bakery product manufacturing . . . . .	1	327	76	9 275	294 621	4 998	8 739	147 816	732 742	359 511	1 096 517	D
311811	Retail bakeries . . . . .	4	251	36	2 537	42 150	1 331	1 914	22 752	82 359	39 579	121 363	D
311812	Commercial bakeries . . . . .	—	68	33	6 160	234 977	3 197	5 852	114 158	615 138	284 011	903 834	30 778
311813	Frozen cakes, pies, and other pastries manufacturing . . . . .	6	8	7	578	17 494	470	973	10 906	35 245	35 921	71 320	D
31182	Cookie, cracker, and pasta manufacturing . . . . .	1	36	18	i	D	D	D	D	D	D	D	28 100
311821	Cookie and cracker manufacturing . . . . .	1	17	11	h	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour . . . . .	3	9	6	f	D	D	D	D	D	D	D	D
311823	Dry pasta manufacturing . . . . .	1	10	1	e	D	D	D	D	D	D	D	D
31183	Tortilla manufacturing . . . . .	1	11	8	f	D	D	D	D	D	D	D	D
311830	Tortilla manufacturing . . . . .	1	11	8	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing . . . . .	2	143	59	7 032	263 877	4 487	8 757	132 340	1 137 975	1 105 914	2 238 990	56 958
31191	Snack food manufacturing . . . . .	—	12	7	g	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing . . . . .	—	6	4	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing . . . . .	—	6	3	f	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing . . . . .	—	10	3	e	D	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing . . . . .	—	10	3	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing . . . . .	3	30	20	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing . . . . .	3	9	4	e	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing . . . . .	3	21	16	1 774	80 557	921	1 750	32 621	239 850	334 085	571 443	D
31199	All other food manufacturing . . . . .	2	83	27	h	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing . . . . .	7	22	11	g	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing . . . . .	1	61	16	1 902	81 444	1 013	2 043	37 445	170 807	243 324	413 025	D
312	Beverage and tobacco product manufacturing . . . . .	2	29	15	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing . . . . .	3	28	14	1 930	65 181	1 004	2 182	34 500	668 825	789 536	1 419 883	D
31211	Soft drink and ice manufacturing . . . . .	—	20	12	g	D	D	D	D	D	D	D	23 506
312111	Soft drink manufacturing . . . . .	—	12	8	g	D	D	D	D	D	D	D	D
31214	Distilleries . . . . .	9	2	1	e	D	D	D	D	D	D	D	D
312140	Distilleries . . . . .	9	2	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
312	Beverage and tobacco product manufacturing—Con.												
3122	Tobacco manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
313	Textile mills .....	4	45	9	f	D	D	D	D	D	D	D	D
3132	Fabric mills .....	4	21	5	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills .....	4	21	4	e	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills .....	6	18	3	322	10 137	257	489	7 016	23 988	29 244	52 931	789
313311	Broadwoven fabric finishing mills .....	6	15	3	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	2	168	40	h	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	1	87	17	g	D	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	—	86	17	g	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills .....	1	68	8	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills .....	—	18	9	f	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	3	81	23	g	D	D	D	D	D	D	D	D
31491	Textile bag and canvas mills .....	2	34	12	f	D	D	D	D	D	D	D	D
314912	Canvas and related product mills .....	1	30	11	f	D	D	D	D	D	D	D	1 049
31499	All other textile product mills .....	4	47	11	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills .....	4	45	10	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	4	158	39	h	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	6	106	29	h	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	6	55	12	f	D	D	D	D	D	D	D	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	7	44	11	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	6	24	10	g	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	12	2	870	29 130	477	979	10 543	68 223	17 510	88 281	D
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing .....	7	2	2	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing .....	—	4	4	e	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	45	7	f	D	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing .....	1	45	7	f	D	D	D	D	D	D	D	D
315992	Glove and mitten manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	1	27	11	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D
31611	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D
316110	Leather and hide tanning and finishing .....	—	5	3	252	8 584	196	399	5 677	17 664	21 137	39 033	D
3169	Other leather and allied product manufacturing .....	1	20	8	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing .....	1	20	8	f	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing .....	—	8	5	478	11 078	365	802	6 427	33 948	16 926	57 105	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
321	Wood product manufacturing . . . . .	3	206	64	h	D	D	D	D	D	D	D	
3212	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	19	9	f	D	D	D	D	D	D	D	
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	19	9	f	D	D	D	D	D	D	D	
321214	Truss manufacturing . . . . .	—	8	6	f	D	D	D	D	D	D	D	
3219	Other wood product manufacturing . . . . .	3	178	53	h	D	D	D	D	D	D	D	
32191	Millwork . . . . .	4	79	25	g	D	D	D	D	D	D	D	
321911	Wood window and door manufacturing . . . . .	4	34	11	f	D	D	D	D	D	D	D	
321918	Other millwork (including flooring) . . . . .	4	41	13	f	D	D	D	D	D	D	D	
32192	Wood container and pallet manufacturing . . . . .	1	54	18	988	27 121	752	1 454	16 345	61 013	57 655	118 208	
321920	Wood container and pallet manufacturing . . . . .	1	54	18	988	27 121	752	1 454	16 345	61 013	57 655	118 208	
32199	All other wood product manufacturing . . . . .	2	45	10	f	D	D	D	D	D	D	D	
321999	All other miscellaneous wood product manufacturing . . . . .	1	43	10	e	D	D	D	D	D	D	D	
322	Paper manufacturing . . . . .	1	249	160	16 528	683 428	12 009	25 315	413 451	1 664 307	2 085 170	3 780 697	
3221	Pulp, paper, and paperboard mills . . . . .	—	6	6	f	D	D	D	D	D	D	D	
32212	Paper mills . . . . .	—	4	4	e	D	D	D	D	D	D	D	
322121	Paper (except newsprint) mills . . . . .	—	4	4	e	D	D	D	D	D	D	D	
32213	Paperboard mills . . . . .	—	2	2	e	D	D	D	D	D	D	D	
322130	Paperboard mills . . . . .	—	2	2	e	D	D	D	D	D	D	D	
3222	Converted paper product manufacturing . . . . .	1	243	154	j	D	D	D	D	D	D	D	
32221	Paperboard container manufacturing . . . . .	1	137	94	9 744	414 522	7 091	15 227	249 373	972 078	1 349 603	2 340 958	
322211	Corrugated and solid fiber box manufacturing . . . . .	1	85	65	i	D	D	D	D	D	D	D	
322212	Folding paperboard box manufacturing . . . . .	1	33	19	2 576	121 474	1 982	4 324	79 698	302 418	315 980	614 755	
322214	Fiber can, tube, drum, and similar products manufacturing . . . . .	—	10	5	e	D	D	D	D	D	D	D	
322215	Nonfolding sanitary food container manufacturing . . . . .	—	3	2	e	D	D	D	D	D	D	D	
32222	Paper bag and coated and treated paper manufacturing . . . . .	1	53	32	3 467	140 913	2 345	4 733	74 361	385 519	427 101	822 495	
322221	Coated and laminated packaging paper and plastics film manufacturing . . . . .	—	7	4	310	13 269	209	410	6 774	26 930	26 489	53 040	
322222	Coated and laminated paper manufacturing . . . . .	1	33	19	2 101	87 998	1 324	2 710	43 477	270 148	266 075	540 635	
322223	Plastics, foil, and coated paper bag manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	
322226	Surface-coated paperboard manufacturing . . . . .	7	4	3	e	D	D	D	D	D	D	D	
32223	Stationery product manufacturing . . . . .	—	26	16	1 621	57 951	1 231	2 606	39 050	128 053	128 716	257 233	
322232	Envelope manufacturing . . . . .	—	15	12	g	D	D	D	D	D	D	9 168	
32229	Other converted paper product manufacturing . . . . .	2	27	12	f	D	D	D	D	D	D	D	
322299	All other converted paper product manufacturing . . . . .	1	23	12	f	D	D	D	D	D	D	D	
323	Printing and related support activities . . . . .	2	1 557	'380	'35 019	'1 443 271	'24 923	'49 161	'868 155	'3 098 608	'1 860 032	'4 960 052	'193 160
3231	Printing and related support activities . . . . .	2	1 557	'380	'35 019	'1 443 271	'24 923	'49 161	'868 155	'3 098 608	'1 860 032	'4 960 052	'193 160
32311	Printing . . . . .	2	'1 372	318	'30 300	'1 253 795	'21 358	'42 046	'748 590	'2 723 416	'1 753 125	'4 479 821	'173 963
323110	Commercial lithographic printing . . . . .	1	'643	'182	'18 781	'837 305	'13 274	'26 495	'504 715	'1 727 965	'1 127 614	'2 855 275	'132 954
323111	Commercial gravure printing . . . . .	2	20	4	e	D	D	D	D	D	D	D	
323112	Commercial flexographic printing . . . . .	2	48	17	1 134	44 656	704	1 269	21 432	100 062	71 449	171 026	3 842
323113	Commercial screen printing . . . . .	1	'120	'26	'1 903	'59 177	'1 386	'2 586	'31 183	'119 280	'66 531	'186 495	D
323114	Quick printing . . . . .	4	300	18	1 916	57 011	1 331	2 317	34 291	119 270	52 720	173 163	6 038
323115	Digital printing . . . . .	—	50	17	1 401	62 446	895	1 762	35 648	137 182	84 302	221 433	5 443
323116	Manifold business forms printing . . . . .	4	32	20	g	D	D	D	D	D	D	D	D
323117	Books printing . . . . .	1	21	7	f	D	D	D	D	D	D	9 411	

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>											
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>											
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>											
323	Printing and related support activities—Con.											
3231	Printing and related support activities—Con.											
32311	Printing—Con.											
323118	Blankbook, looseleaf binders, and devices manufacturing . . .	2	25	13	f	D	D	D	D	D	D	D
323119	Other commercial printing . . .	1	113	14	1 254	48 524	885	1 708	29 824	129 501	68 992	198 577
32312	Support activities for printing . . .	3	185	62	4 719	189 476	3 565	7 115	119 565	375 192	106 907	480 231
323121	Tradebinding and related work . . . . .	3	69	31	2 589	76 409	2 148	4 358	50 789	151 606	34 042	185 608
323122	Prepress services . . . . .	3	116	31	2 130	113 067	1 417	2 757	68 776	223 586	72 865	294 623
324	Petroleum and coal products manufacturing . . . . .	—	54	26	h	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing . . . . .	—	54	26	h	D	D	D	D	D	D	D
32411	Petroleum refineries . . . . .	—	6	4	g	D	D	D	D	D	D	D
324110	Petroleum refineries . . . . .	—	6	4	g	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing . . . . .	—	25	11	f	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing . . . . .	—	16	7	e	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing . . . . .	—	9	4	f	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing . . . . .	3	23	11	904	50 776	497	1 003	21 760	324 003	268 227	584 971
324191	Petroleum lubricating oil and grease manufacturing . . . . .	3	20	9	f	D	D	D	D	D	D	6 870
325	Chemical manufacturing . . . . .	1	503	232	24 659	1 186 038	13 959	28 516	545 995	5 977 827	5 318 447	11 377 306
3251	Basic chemical manufacturing . . .	3	65	29	h	D	D	D	D	D	D	D
32511	Petrochemical manufacturing . . .	—	3	1	e	D	D	D	D	D	D	D
325110	Petrochemical manufacturing . . . . .	—	3	1	e	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing . . . . .	2	22	14	1 050	63 181	625	1 132	34 914	276 871	187 559	461 977
325188	All other basic inorganic chemical manufacturing . . . . .	2	21	13	f	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing . . . . .	4	28	10	g	D	D	D	D	D	D	39 344
325199	All other basic organic chemical manufacturing . . . . .	4	26	10	g	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing . . . . .	—	38	30	g	D	D	D	D	D	D	22 057
32521	Resin and synthetic rubber manufacturing . . . . .	—	35	28	1 915	106 206	1 304	2 798	65 001	785 298	883 391	1 640 795
325211	Plastics material and resin manufacturing . . . . .	—	31	26	1 818	102 634	1 244	2 679	63 427	774 482	874 479	1 621 138
3254	Pharmaceutical and medicine manufacturing . . . . .	1	35	16	g	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing . . . . .	1	35	16	g	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing . . . . .	1	21	10	g	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing . . . . .	—	108	52	h	D	D	D	D	D	D	D
32551	Paint and coating manufacturing . . . . .	—	84	40	h	D	D	D	D	D	D	D
325510	Paint and coating manufacturing . . . . .	—	84	40	h	D	D	D	D	D	D	D
32552	Adhesive manufacturing . . . . .	—	24	12	1 177	53 992	659	1 358	23 811	188 273	200 784	390 934
325520	Adhesive manufacturing . . . . .	—	24	12	1 177	53 992	659	1 358	23 811	188 273	200 784	390 934
3256	Soap, cleaning compound, and toilet preparation manufacturing . . . . .	1	114	48	8 373	359 311	4 716	9 523	174 627	2 237 321	1 394 835	3 669 276
32561	Soap and cleaning compound manufacturing . . . . .	—	74	25	h	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing . . . . .	—	35	10	g	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing . . . . .	3	29	9	f	D	D	D	D	D	D	D
325613	Surface active agent manufacturing . . . . .	—	10	6	g	D	D	D	D	D	D	15 428

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing—Con.												
32562	Toilet preparation manufacturing .....	1	40	23	h	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	1	40	23	h	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing .....	1	133	53	h	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing .....	1	37	18	g	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing .....	1	37	18	g	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing .....	1	96	35	3 075	155 534	1 784	3 665	68 251	626 051	532 359	1 153 442	D
325991	Custom compounding of purchased resins .....	—	26	10	f	D	D	D	D	D	D	D	D
325992	Photographic film, paper, plate, and chemical manufacturing .....	5	19	6	f	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .....	—	51	19	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	605	362	42 906	1 439 598	32 786	66 805	921 957	4 061 263	3 318 723	7 383 639	303 677
3261	Plastics product manufacturing ..	1	'544	'328	'39 130	'1 320 179	'30 112	'61 303	'847 989	'3 742 813	'3 047 490	'6 792 036	'282 941
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	73	44	4 057	158 159	3 194	7 135	108 977	461 466	527 178	988 491	46 261
326111	Plastics bag manufacturing ..	—	19	12	g	D	D	D	D	D	D	D	27 303
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	16	15	g	D	D	D	D	D	D	D	13 036
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	3	38	17	1 148	45 120	814	1 780	27 175	107 158	159 190	267 573	5 922
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	—	33	16	g	D	D	D	D	D	D	D	17 099
326121	Unlaminated plastics profile shape manufacturing .....	—	26	14	g	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing .....	—	11	3	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	—	11	3	f	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing .....	2	18	11	g	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing .....	2	18	11	g	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing .....	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
326150	Urethane and other foam product (except polystyrene) manufacturing .....	5	15	10	846	30 389	663	1 410	19 175	141 499	73 574	216 249	D
32616	Plastics bottle manufacturing ..	—	17	14	g	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing .....	—	17	14	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	'377	'230	'28 944	'943 266	'21 879	'44 654	'583 990	'2 573 104	'1 984 865	'4 562 343	'179 489
326191	Plastics plumbing fixture manufacturing .....	—	9	8	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	1	'368	'222	k	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	1	'61	'34	'3 776	'119 419	'2 674	'5 502	'73 968	'318 450	'271 233	'591 603	'20 736
32622	Rubber and plastics hoses and belting manufacturing .....	6	9	7	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	6	9	7	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	—	'41	'22	'2 674	'88 658	'1 999	'4 306	'58 735	'252 963	'198 685	'451 665	'6 581
326291	Rubber product manufacturing for mechanical use .....	1	21	11	g	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	—	'20	'11	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
327	Nonmetallic mineral product manufacturing .....	1	'302	138	'9 551	'380 337	'7 223	'14 907	'247 063	'1 015 861	'840 544	'1 856 782	D
3271	Clay product and refractory manufacturing .....	1	35	9	f	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing ....	1	16	6	408	16 465	285	596	10 839	29 466	66 064	92 950	D
3272	Glass and glass product manufacturing .....	2	58	17	2 400	73 592	1 950	3 832	48 522	223 069	196 299	415 317	D
32721	Glass and glass product manufacturing .....	2	58	17	2 400	73 592	1 950	3 832	48 522	223 069	196 299	415 317	D
327213	Glass container manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	1	46	13	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	2	'121	68	'3 708	'158 990	'2 915	'6 163	'118 131	'438 866	'375 163	'817 085	D
32732	Ready-mix concrete manufacturing .....	1	60	'39	'1 756	83 775	'1 517	3 130	71 711	'232 424	237 959	471 617	D
327320	Ready-mix concrete manufacturing .....	1	60	'39	'1 756	83 775	'1 517	3 130	71 711	'232 424	237 959	471 617	D
32733	Concrete pipe, brick, and block manufacturing .....	1	26	16	f	D	D	D	D	D	D	D	D
327331	Concrete block and brick manufacturing .....	1	16	10	e	D	D	D	D	D	D	D	D
327332	Concrete pipe manufacturing .....	1	10	6	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing .....	'3	'33	'12	'1 056	'36 945	'832	'1 818	'25 206	'80 485	'64 212	'148 042	D
327390	Other concrete product manufacturing .....	'3	'33	'12	'1 056	'36 945	'832	'1 818	'25 206	'80 485	'64 212	'148 042	D
3279	Other nonmetallic mineral product manufacturing .....	1	79	39	2 543	113 188	1 680	3 440	57 091	290 577	175 702	470 039	D
32791	Abrasive product manufacturing .....	—	27	16	1 403	67 446	854	1 788	26 626	166 394	103 097	274 446	D
327910	Abrasive product manufacturing .....	—	27	16	1 403	67 446	854	1 788	26 626	166 394	103 097	274 446	D
32799	All other nonmetallic mineral product manufacturing .....	2	52	23	1 140	45 742	826	1 652	30 465	124 183	72 605	195 593	D
327991	Cut stone and stone product manufacturing .....	3	32	13	552	20 729	421	806	14 669	49 067	21 730	68 377	D
331	Primary metal manufacturing .....	1	208	108	13 363	565 336	9 606	20 578	337 364	1 344 858	1 832 297	3 228 439	D
3311	Iron and steel mills and ferroalloy manufacturing .....	—	'19	14	'1 750	'76 149	'1 297	'2 926	'50 273	'121 968	'227 081	'354 204	9 719
33111	Iron and steel mills and ferroalloy manufacturing .....	—	'19	14	'1 750	'76 149	'1 297	'2 926	'50 273	'121 968	'227 081	'354 204	9 719
331111	Iron and steel mills .....	—	19	14	1 750	76 149	1 297	2 926	50 273	121 968	227 081	354 204	9 719
3312	Steel product manufacturing from purchased steel .....	—	26	19	2 276	100 966	1 600	3 294	69 282	298 767	559 970	856 780	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	11	10	g	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	11	10	g	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	15	9	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing .....	—	9	6	f	D	D	D	D	D	D	D	8 690
3313	Alumina and aluminum production and processing .....	2	25	11	1 051	42 074	795	1 724	27 664	58 401	213 800	307 356	D
33131	Alumina and aluminum production and processing ...	2	25	11	1 051	42 074	795	1 724	27 664	58 401	213 800	307 356	D
331314	Secondary smelting and alloying of aluminum .....	—	9	4	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
331319	Other aluminum rolling and drawing .....	—	7	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing .....	1	'37	16	'2 927	'157 782	'1 557	'3 474	'58 010	'422 212	'540 788	'979 599	21 070
33142	Copper rolling, drawing, extruding, and alloying .....	—	'16	11	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	1	'6	5	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing .....	—	4	2	g	D	D	D	D	D	D	D	D
331423	Secondary smelting, refining, and alloying of copper .....	—	6	4	341	18 446	180	403	7 047	28 846	78 602	108 211	3 355
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	3	14	3	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	4	11	2	316	13 302	220	487	6 450	38 488	34 667	73 095	D
3315	Foundries .....	2	101	48	5 359	188 365	4 357	9 160	132 135	443 510	290 658	730 500	D
33151	Ferrous metal foundries .....	5	26	10	g	D	D	D	D	D	D	D	D
331511	Iron foundries .....	2	17	7	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	9	8	2	651	18 153	611	1 365	17 361	56 296	27 705	84 311	1 562
33152	Nonferrous metal foundries .....	—	75	38	h	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	—	21	13	g	D	D	D	D	D	D	D	8 947
331522	Nonferrous (except aluminum) die-casting foundries .....	1	16	11	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	2	20	6	496	18 138	401	802	11 763	40 754	19 177	60 171	908
331525	Copper foundries (except die-casting) .....	2	11	4	285	9 539	236	407	6 663	16 913	8 238	25 044	D
332	Fabricated metal product manufacturing .....	1	'2 473	847	'71 104	'2 742 682	'53 165	'107 324	'1 759 811	'6 404 674	'4 628 760	'10 990 558	'346 640
3321	Forging and stamping .....	2	244	121	12 245	474 995	9 369	18 831	308 151	942 961	949 393	1 882 511	47 577
33211	Forging and stamping .....	2	244	121	12 245	474 995	9 369	18 831	308 151	942 961	949 393	1 882 511	47 577
332111	Iron and steel forging .....	2	20	14	g	D	D	D	D	D	D	D	D
332112	Nonferrous forging .....	8	6	3	g	D	D	D	D	D	D	D	D
332114	Custom roll forming .....	—	21	12	g	D	D	D	D	D	D	D	D
332115	Crown and closure manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
332116	Metal stamping .....	2	184	86	8 098	303 600	6 249	12 505	194 225	640 160	569 378	1 211 413	25 710
332117	Powder metallurgy part manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	6 926
3322	Cutlery and handtool manufacturing .....	1	'84	'36	'3 357	'125 477	'2 395	'4 804	'74 361	'359 367	'181 086	'511 661	'15 612
33221	Cutlery and handtool manufacturing .....	1	'84	'36	'3 357	'125 477	'2 395	'4 804	'74 361	'359 367	'181 086	'511 661	'15 612
332212	Hand and edge tool manufacturing .....	—	73	32	h	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	2	'308	'119	'8 568	'319 447	'6 105	'12 227	'190 925	'785 734	'523 395	'1 306 697	'34 784
33231	Plate work and fabricated structural product manufacturing .....	3	102	39	2 438	97 308	1 683	3 465	54 561	200 675	171 240	367 204	9 318
332312	Fabricated structural metal manufacturing .....	3	71	26	1 700	72 779	1 163	2 442	41 164	154 158	133 400	283 710	7 880
332313	Plate work manufacturing .....	2	25	12	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	1	'206	'80	'6 130	'222 139	'4 422	'8 762	'136 364	'585 059	'352 155	'939 493	'25 466
332321	Metal window and door manufacturing .....	2	32	10	830	25 072	600	1 224	16 324	70 137	51 136	121 577	3 002
332322	Sheet metal work manufacturing .....	1	119	49	3 842	141 941	2 842	5 576	90 605	370 831	234 982	607 607	14 177
332323	Ornamental and architectural metal work manufacturing .....	1	'55	'21	'1 458	'55 126	'980	'1 962	'29 435	'144 091	'66 037	'210 309	'8 287

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3324	Boiler, tank, and shipping container manufacturing .....	1	50	26	3 310	132 876	2 594	5 600	92 860	403 721	387 142	783 381	14 535
33241	Power boiler and heat exchanger manufacturing ....	6	9	5	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	6	9	5	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	6	10	4	e	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing .....	6	10	4	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	31	17	h	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ....	—	9	6	g	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	—	22	11	g	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	41	21	1 993	72 604	1 462	2 520	43 396	160 413	109 778	271 736	7 501
33251	Hardware manufacturing .....	—	41	21	1 993	72 604	1 462	2 520	43 396	160 413	109 778	271 736	7 501
332510	Hardware manufacturing ....	—	41	21	1 993	72 604	1 462	2 520	43 396	160 413	109 778	271 736	7 501
3326	Spring and wire product manufacturing .....	2	157	56	4 122	140 213	3 195	6 412	86 714	306 984	240 325	547 928	14 900
33261	Spring and wire product manufacturing .....	2	157	56	4 122	140 213	3 195	6 412	86 714	306 984	240 325	547 928	14 900
332611	Spring (heavy gauge) manufacturing .....	1	14	7	490	16 374	405	788	11 285	35 745	26 825	62 564	D
332612	Spring (light gauge) manufacturing .....	1	40	23	1 310	44 162	981	1 886	27 502	94 643	68 593	163 224	D
332618	Other fabricated wire product manufacturing .....	3	103	26	2 322	79 677	1 809	3 738	47 927	176 596	144 907	322 140	6 237
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	'975	243	'17 782	'711 210	'13 225	'27 567	'463 870	'1 483 037	'783 083	'2 258 047	'94 464
33271	Machine shops .....	3	'736	126	'8 828	'354 327	'6 695	'13 548	'238 004	'698 483	'300 204	'990 068	'32 931
332710	Machine shops .....	3	'736	126	'8 828	'354 327	'6 695	'13 548	'238 004	'698 483	'300 204	'990 068	'32 931
33272	Turned product and screw, nut, and bolt manufacturing .....	3	239	117	8 954	356 883	6 530	14 019	225 866	784 554	482 879	1 267 979	61 533
332721	Precision turned product manufacturing .....	2	152	70	5 362	207 785	4 186	9 013	145 840	411 302	188 105	597 638	39 580
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	3	87	47	3 592	149 098	2 344	5 006	80 026	373 252	294 774	670 341	21 953
3328	Coating, engraving, heat treating, and allied activities .....	1	325	121	8 513	303 993	6 484	13 369	198 559	641 152	398 619	1 041 581	33 601
33281	Coating, engraving, heat treating, and allied activities ..	1	325	121	8 513	303 993	6 484	13 369	198 559	641 152	398 619	1 041 581	33 601
332811	Metal heat treating .....	—	27	13	894	32 113	664	1 432	22 205	75 170	17 310	93 014	6 868
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	104	40	2 768	105 660	2 179	4 364	73 929	235 095	227 746	462 505	14 778
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	194	68	4 851	166 220	3 641	7 573	102 425	330 887	153 563	486 062	11 955
3329	Other fabricated metal product manufacturing .....	1	289	104	11 214	461 867	8 336	15 994	300 975	1 321 305	1 055 939	2 387 016	83 666
33291	Metal valve manufacturing ....	1	66	43	4 068	177 991	2 883	5 745	105 237	480 036	348 519	835 186	16 111
332911	Industrial valve manufacturing .....	—	19	13	g	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	—	17	10	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	1	13	7	g	D	D	D	D	D	D	D	D
332919	Other metal valve and pipe fitting manufacturing .....	4	17	13	877	34 703	632	1 312	20 464	84 364	75 248	162 528	3 031
33299	All other fabricated metal product manufacturing .....	1	223	61	7 146	283 876	5 453	10 249	195 738	841 269	707 420	1 551 830	67 555
332991	Ball and roller bearing manufacturing .....	—	9	6	g	D	D	D	D	D	D	D	D
332996	Fabricated pipe and pipe fitting manufacturing .....	7	25	5	e	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	—	172	47	4 716	183 949	3 635	6 767	124 362	525 667	538 318	1 064 112	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
333	Machinery manufacturing .....	1	'1 275	'421	'44 039	'2 018 380	'26 976	'54 882	'1 007 493	'4 788 048	'4 089 294	'8 863 754	'257 087
3331	Agriculture, construction, and mining machinery manufacturing .....	—	36	14	h	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	13	4	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	2	10	2	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	22	9	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	22	9	h	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'182	'69	'6 113	'291 405	'3 298	'6 813	'129 343	'633 126	'484 999	'1 116 577	D
33322	Plastics and rubber industry machinery manufacturing ....	—	24	7	g	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	24	7	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	2	'152	'61	h	D	D	D	D	D	D	D	D
333292	Textile machinery manufacturing .....	1	8	2	e	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	2	51	24	1 263	61 779	635	1 274	23 469	119 914	118 615	241 169	D
333294	Food product machinery manufacturing .....	—	22	10	906	49 355	484	1 030	23 996	109 056	89 817	196 728	D
333298	All other industrial machinery manufacturing .....	2	'63	'23	'2 227	'102 322	'1 163	'2 313	'43 859	'213 350	'168 738	'382 570	D
3333	Commercial and service industry machinery manufacturing .....	2	'102	'41	'4 618	'206 905	'2 155	'4 326	'70 915	'496 030	'395 408	'876 664	D
33331	Commercial and service industry machinery manufacturing .....	2	'102	'41	'4 618	'206 905	'2 155	'4 326	'70 915	'496 030	'395 408	'876 664	D
333311	Automatic vending machine manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
333312	Commercial laundry, drycleaning, and pressing machine manufacturing ....	1	7	4	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	7	4	838	37 688	397	781	11 885	110 056	63 714	160 615	D
333319	Other commercial and service industry machinery manufacturing .....	3	'56	'26	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	62	33	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	62	33	h	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing .....	4	21	8	f	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	9	7	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	1	24	15	1 465	52 200	1 032	2 024	28 413	129 641	152 252	278 662	D
3335	Metalworking machinery manufacturing .....	2	'563	'122	'9 081	'419 546	'6 465	'12 988	'266 486	'820 116	'381 626	'1 175 490	'52 253
33351	Metalworking machinery manufacturing .....	2	'563	'122	'9 081	'419 546	'6 465	'12 988	'266 486	'820 116	'381 626	'1 175 490	'52 253
333511	Industrial mold manufacturing .....	1	184	38	2 453	121 219	1 836	3 689	84 822	223 163	83 823	304 598	D
333512	Machine tool (metal cutting types) manufacturing .....	6	22	10	728	35 391	389	831	16 157	73 541	64 974	137 708	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	2	214	41	2 956	137 671	2 119	4 277	87 048	256 154	86 186	341 666	D
333515	Cutting tool and machine tool accessory manufacturing ...	3	108	19	2 000	76 764	1 497	2 965	51 318	171 760	84 593	236 657	D
333518	Other metalworking machinery manufacturing ..	—	'23	'9	'604	'28 881	'430	'825	'18 195	'60 990	'29 076	'89 483	'1 807

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing .....	1	43	27	3 785	181 158	2 686	5 440	110 231	379 607	474 390	845 117	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	1	43	27	3 785	181 158	2 686	5 440	110 231	379 607	474 390	845 117	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	1	25	14	2 104	102 726	1 477	3 026	61 547	212 512	116 681	328 629	D
333613	Mechanical power transmission equipment manufacturing .....	5	10	7	781	29 306	490	997	13 144	43 925	29 439	74 113	D
333618	Other engine equipment manufacturing .....	—	7	5	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	'287	'115	'13 576	'611 295	'8 108	'16 638	'285 309	'1 458 595	'1 121 509	'2 592 292	'96 782
33391	Pump and compressor manufacturing .....	1	'31	'19	'3 071	'139 420	'1 970	'4 155	'71 674	'366 480	'218 878	'587 442	D
333911	Pump and pumping equipment manufacturing ..	1	17	13	g	D	D	D	D	D	D	D	5 831
333912	Air and gas compressor manufacturing .....	1	'14	'6	g	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	—	57	23	2 416	112 535	1 317	2 545	49 514	233 629	284 510	513 603	D
333921	Elevator and moving stairway manufacturing .....	1	9	5	e	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	2	37	11	1 114	55 660	604	1 260	26 629	102 590	82 814	185 492	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	6	4	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	1	199	73	8 089	359 340	4 821	9 938	164 121	858 486	618 121	1 491 247	D
333992	Welding and soldering equipment manufacturing ..	—	9	5	256	10 164	156	308	4 215	25 917	11 153	33 596	D
333993	Packaging machinery manufacturing .....	1	36	15	1 704	104 332	620	1 261	26 836	244 299	187 720	422 484	D
333994	Industrial process furnace and oven manufacturing ...	1	16	8	752	29 505	501	1 050	15 783	86 025	41 659	126 918	2 518
333995	Fluid power cylinder and actuator manufacturing ....	—	23	11	h	D	D	D	D	D	D	D	D
333997	Scale and balance (except laboratory) manufacturing ..	—	5	2	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	3	102	28	2 108	80 284	1 321	2 592	39 754	182 760	112 614	299 163	D
334	Computer and electronic product manufacturing .....	—	'518	217	'33 073	'1 560 392	'16 543	'31 543	'493 198	'3 870 826	'3 637 073	'7 798 922	135 636
3341	Computer and peripheral equipment manufacturing .....	—	37	8	g	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	37	8	g	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	30	7	g	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	66	31	j	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	1	19	11	i	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	1	19	11	i	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	24	10	2 002	108 456	1 216	2 751	51 419	892 283	1 045 313	2 119 871	8 590
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	24	10	2 002	108 456	1 216	2 751	51 419	892 283	1 045 313	2 119 871	8 590
33429	Other communications equipment manufacturing ....	3	23	10	g	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	3	23	10	g	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
3343	Audio and video equipment manufacturing .....	-	15	7	g	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	-	15	7	g	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	-	15	7	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	224	106	9 437	298 122	6 712	12 818	158 751	645 015	432 475	1 086 199	34 333
33441	Semiconductor and other electronic component manufacturing .....	1	224	106	9 437	298 122	6 712	12 818	158 751	645 015	432 475	1 086 199	34 333
334412	Bare printed circuit board manufacturing .....	1	59	29	2 311	70 311	1 780	3 264	41 505	137 636	91 192	229 371	12 513
334413	Semiconductor and related device manufacturing .....	6	16	7	e	D	D	D	D	D	D	D	D
334415	Electronic resistor manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing .....	1	30	18	g	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing .....	2	12	6	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	1	28	20	1 900	55 772	1 169	2 350	26 509	106 417	120 096	230 978	3 290
334419	Other electronic component manufacturing .....	1	68	22	2 799	94 284	2 033	3 945	51 538	234 309	130 365	367 258	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	'142	57	'9 122	'522 899	'3 931	'6 955	'132 876	'1 131 059	'1 005 966	'2 136 220	33 387
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	'142	57	'9 122	'522 899	'3 931	'6 955	'132 876	'1 131 059	'1 005 966	'2 136 220	33 387
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	2	14	9	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	-	6	3	h	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	1	12	4	f	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	1	32	14	g	D	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing .....	-	11	5	f	D	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	1	'14	4	'490	'26 749	'183	'352	'6 312	'56 990	'32 475	'89 813	D
334517	Irradiation apparatus manufacturing .....	-	17	7	1 517	96 758	683	1 329	28 811	278 481	279 578	523 135	D
334519	Other measuring and controlling device manufacturing .....	1	22	8	802	39 200	316	636	11 062	86 163	57 332	144 587	2 006
3346	Manufacturing and reproducing magnetic and optical media .....	5	34	8	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media ...	5	34	8	f	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	5	21	7	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	'317	145	'20 822	'826 492	'13 375	'27 044	'404 453	'2 269 817	'1 735 689	'4 015 650	100 476

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing—Con.													
3351	Electric lighting equipment manufacturing .....	—	61	31	h	D	D	D	D	D	D	D	D	
33512	Lighting fixture manufacturing ..	—	57	28	h	D	D	D	D	D	D	D	D	
335121	Residential electric lighting fixture manufacturing .....	1	22	12	h	D	D	D	D	D	D	D	D	
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	—	20	10	f	D	D	D	D	D	D	D	D	
335129	Other lighting equipment manufacturing .....	—	15	6	f	D	D	D	D	D	D	D	D	
3352	Household appliance manufacturing .....	—	11	8	g	D	D	D	D	D	D	D	D	
33521	Small electrical appliance manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D	
335211	Electric housewares and household fan manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D	
33522	Major appliance manufacturing.	—	6	4	g	D	D	D	D	D	D	D	D	
335221	Household cooking appliance manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D	
3353	Electrical equipment manufacturing .....	1	138	61		8 750	376 649	5 549	11 673	186 041	842 999	592 153	1 445 270	49 349
33531	Electrical equipment manufacturing .....	1	138	61		8 750	376 649	5 549	11 673	186 041	842 999	592 153	1 445 270	49 349
335311	Power, distribution, and specialty transformer manufacturing .....	—	14	8	f	D	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	1	26	13		1 831	70 760	1 370	2 769	45 904	159 676	92 763	251 588	D
335313	Switchgear and switchboard apparatus manufacturing ..	—	28	15		3 884	182 647	2 395	5 450	88 770	426 760	264 023	691 139	38 524
335314	Relay and industrial control manufacturing .....	4	70	25	g	D	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	1	107	45		15 562	217 776	13 813	17 515	117 597	605 386	512 020	1 119 512	D
33591	Battery manufacturing .....	—	7	3	e	D	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing .....	—	7	3	e	D	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing ..	2	8	6	e	D	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing ..	2	7	6	e	D	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing .....	—	41	22	h	D	D	D	D	D	D	D	D	21 982
335931	Current-carrying wiring device manufacturing .....	1	29	14		1 732	61 671	1 389	2 751	40 440	178 388	116 501	293 586	5 236
335932	Noncurrent-carrying wiring device manufacturing .....	—	12	8	g	D	D	D	D	D	D	D	D	16 746
33599	All other electrical equipment and component manufacturing .....	5	51	14	g	D	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	5	48	14	g	D	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	255	121		21 556	981 850	16 217	29 330	653 863	3 213 792	4 810 340	7 981 507	138 598
3361	Motor vehicle manufacturing .....	—	10	2	g	D	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	10	2	g	D	D	D	D	D	D	D	D	D
336111	Automobile manufacturing .....	—	6	2	g	D	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	10	4	f	D	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	10	4	f	D	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	184	89		14 723	565 152	11 540	19 729	388 716	1 505 405	1 542 244	3 020 954	97 941
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	4	24	10	f	D	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	3	21	9	f	D	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33632	Motor vehicle electrical and electronic equipment manufacturing . . . . .	1	46	20	g	D	D	D	D	D	D	D	13 722
336321	Vehicular lighting equipment manufacturing . . . . .	—	7	5	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing . . . . .	1	39	15	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing . . . . .	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
336340	Motor vehicle brake system manufacturing . . . . .	—	9	3	1 032	27 817	893	1 877	22 202	99 945	147 108	244 105	D
33635	Motor vehicle transmission and power train parts manufacturing . . . . .	—	19	9	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing . . . . .	—	19	9	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing . . . . .	1	5	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing . . . . .	1	5	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . . . . .	—	44	28	6 875	267 854	5 566	7 414	196 009	604 379	698 137	1 282 660	D
336370	Motor vehicle metal stamping . . . . .	—	44	28	6 875	267 854	5 566	7 414	196 009	604 379	698 137	1 282 660	D
33639	Other motor vehicle parts manufacturing . . . . .	4	36	16	1 229	39 517	977	2 006	26 748	102 088	107 846	209 837	6 489
336399	All other motor vehicle parts manufacturing . . . . .	4	34	15	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing . . . . .	4	8	6	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing . . . . .	4	8	6	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing . . . . .	5	6	4	e	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737	D
33651	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737	D
336510	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737	D
337	Furniture and related product manufacturing . . . . .	2	'546	'132	j	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing . . . . .	3	'370	61	i	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing . . . . .	4	'187	22	g	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing . . . . .	4	'187	22	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing . . . . .	2	183	39	h	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing . . . . .	—	66	15	949	24 051	811	1 544	18 342	80 939	74 945	155 332	D
337122	Nonupholstered wood household furniture manufacturing . . . . .	6	71	8	g	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing . . . . .	2	29	11	f	D	D	D	D	D	D	D	D
337129	Wood television, radio, and sewing machine cabinet manufacturing . . . . .	1	7	3	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing . . . . .	1	'135	'62	'8 079	'268 684	'6 006	'12 668	'161 339	'679 276	'488 181	'1 164 135	D
33721	Office furniture (including fixtures) manufacturing . . . . .	1	'135	'62	'8 079	'268 684	'6 006	'12 668	'161 339	'679 276	'488 181	'1 164 135	D
337211	Wood office furniture manufacturing . . . . .	6	19	6	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing . . . . .	2	'36	'16	g	D	D	D	D	D	D	D	'2 445
337214	Office furniture (except wood) manufacturing . . . . .	—	10	4	1 024	33 495	806	1 692	19 795	76 056	53 621	131 182	3 597

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing—Con.												
33721	Office furniture (including fixtures) manufacturing—Con.												
337215	Showcase, partition, shelving, and locker manufacturing .....	—	70	36	5 461	167 093	4 106	8 740	103 075	453 960	347 991	807 556	D
3379	Other furniture related product manufacturing .....	2	41	9	f	D	D	D	D	D	D	D	D
33791	Mattress manufacturing .....	1	18	7	f	D	D	D	D	D	D	D	D
337910	Mattress manufacturing .....	1	18	7	f	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	7	23	2	e	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	7	23	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	2	'954	'232	'24 089	'927 099	'14 684	'27 978	'407 266	'2 343 119	'1 598 750	'3 959 943	'116 604
3391	Medical equipment and supplies manufacturing .....	1	339	56	5 964	222 507	3 677	7 344	103 381	517 484	258 550	780 582	43 174
33911	Medical equipment and supplies manufacturing .....	1	339	56	5 964	222 507	3 677	7 344	103 381	517 484	258 550	780 582	43 174
339111	Laboratory apparatus and furniture manufacturing .....	—	8	6	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	1	32	10	907	33 368	560	1 208	15 195	91 086	35 270	127 343	11 777
339113	Surgical appliance and supplies manufacturing .....	2	47	15	1 246	42 753	891	1 786	19 519	88 284	46 697	136 293	D
339114	Dental equipment and supplies manufacturing .....	—	39	8	g	D	D	D	D	D	D	D	10 178
339115	Ophthalmic goods manufacturing .....	2	16	4	875	35 011	498	923	14 493	57 526	34 890	91 067	D
339116	Dental laboratories .....	4	197	13	1 163	36 251	849	1 643	25 777	60 866	13 497	74 155	D
3399	Other miscellaneous manufacturing .....	3	'615	'176	'18 125	'704 592	'11 007	'20 634	'303 885	'1 825 635	'1 340 200	'3 179 361	'73 430
33991	Jewelry and silverware manufacturing .....	4	57	14	f	D	D	D	D	D	D	D	D
339911	Jewelry (except costume) manufacturing .....	4	34	9	f	D	D	D	D	D	D	D	D
339912	Silverware and holloware manufacturing .....	1	6	3	e	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing .....	—	'44	'10	'1 455	'71 881	'588	'1 160	'14 782	'288 017	'173 737	'461 919	D
339920	Sporting and athletic goods manufacturing .....	—	'44	'10	'1 455	'71 881	'588	'1 160	'14 782	'288 017	'173 737	'461 919	D
33993	Doll, toy, and game manufacturing .....	2	29	7	f	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing .....	2	24	6	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing .....	6	35	10	1 787	70 696	1 027	2 026	27 591	338 442	185 496	523 544	11 635
339941	Pen and mechanical pencil manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing .....	3	8	6	775	26 934	495	961	13 425	92 623	83 742	176 271	6 028
339943	Marking device manufacturing .....	—	23	3	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	3	'169	'44	'3 747	'155 039	'2 035	'3 919	'62 433	'335 257	'253 896	'585 748	D
339950	Sign manufacturing .....	3	'169	'44	'3 747	'155 039	'2 035	'3 919	'62 433	'335 257	'253 896	'585 748	D
33999	All other miscellaneous manufacturing .....	2	'281	'91	'9 465	'351 399	'6 273	'11 596	'174 358	'711 069	'550 080	'1 268 170	D
339991	Gasket, packing, and sealing device manufacturing .....	—	31	13	h	D	D	D	D	D	D	D	D
339992	Musical instrument manufacturing .....	1	21	10	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing .....	2	12	8	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	'3	'210	'59	'4 802	'165 461	'3 216	'6 173	'80 694	'364 678	'301 743	'667 684	D
	<b>Gary, IN Metropolitan Division</b>												
31-33	Manufacturing .....	—	631	206	41 056	2 004 432	30 553	63 412	1 423 346	6 428 211	11 291 443	17 838 672	323 301

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>Gary, IN Metropolitan Division—Con.</b>												
311	Food manufacturing .....	8	'39	'13	'1 947	'80 769	'1 309	'2 819	'53 360	'319 354	'583 773	'892 427	'44 939
3112	Grain and oilseed milling .....	9	3	3	g	D	D	D	D	D	D	D	21 200
31122	Starch and vegetable fats and oils manufacturing .....	9	3	3	g	D	D	D	D	D	D	D	21 200
311221	Wet corn milling .....	9	2	2	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	19	3	399	10 211	253	428	8 121	20 678	47 220	66 635	D
31181	Bread and bakery product manufacturing .....	—	17	3	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	23	8	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	3	20	6	e	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing .....	3	6	5	e	D	D	D	D	D	D	D	217
321920	Wood container and pallet manufacturing .....	3	6	5	e	D	D	D	D	D	D	D	217
322	Paper manufacturing .....	6	6	5	374	15 498	316	676	12 058	46 043	38 766	83 634	D
3222	Converted paper product manufacturing .....	7	5	4	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	60	7	663	24 754	470	774	14 869	52 709	30 267	83 141	3 017
3231	Printing and related support activities .....	2	60	7	663	24 754	470	774	14 869	52 709	30 267	83 141	3 017
32311	Printing .....	2	52	7	629	23 736	450	746	14 235	50 943	29 396	80 497	2 949
323110	Commercial lithographic printing .....	3	30	5	373	16 379	279	510	11 165	28 969	15 310	45 048	2 259
324	Petroleum and coal products manufacturing .....	—	7	5	g	D	D	D	D	D	D	D	63 043
3241	Petroleum and coal products manufacturing .....	—	7	5	g	D	D	D	D	D	D	D	63 043
32411	Petroleum refineries .....	—	1	1	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	1	1	g	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing .....	2	4	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	36	14	1 236	73 783	825	1 769	45 259	690 444	377 335	1 063 903	D
3251	Basic chemical manufacturing .....	—	19	10	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	1	5	3	277	9 948	201	430	5 353	21 071	17 155	38 191	753
325199	All other basic organic chemical manufacturing .....	1	4	3	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	'20	'11	'1 479	'52 007	'1 104	'2 242	'31 530	'133 448	'114 615	'248 444	'6 195
3261	Plastics product manufacturing .....	—	'19	'11	g	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	'3	'2	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	9	6	641	18 820	484	1 002	11 302	54 888	31 198	88 635	3 270
326199	All other plastics product manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D

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	<b>Gary, IN Metropolitan Division—Con.</b>												
327	Nonmetallic mineral product manufacturing .....	1	54	19	1 459	61 634	1 125	2 239	44 496	197 063	165 026	361 344	D
3271	Clay product and refractory manufacturing .....	1	13	6	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing ....	1	11	5	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	24	6	362	14 685	258	439	9 392	42 749	33 045	75 733	D
3274	Lime and gypsum product manufacturing .....	—	6	3	e	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing .....	—	4	3	300	14 032	250	525	11 694	55 803	79 635	135 125	D
327420	Gypsum product manufacturing .....	—	4	3	300	14 032	250	525	11 694	55 803	79 635	135 125	D
3279	Other nonmetallic mineral product manufacturing .....	1	9	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	29	20	22 203	1 223 532	17 131	35 734	926 518	3 375 150	4 865 805	8 366 980	123 315
3311	Iron and steel mills and ferroalloy manufacturing .....	—	8	8	20 482	1 146 692	15 858	32 969	876 090	3 156 245	4 429 136	7 721 064	116 244
33111	Iron and steel mills and ferroalloy manufacturing .....	—	8	8	20 482	1 146 692	15 858	32 969	876 090	3 156 245	4 429 136	7 721 064	116 244
331111	Iron and steel mills .....	—	8	8	20 482	1 146 692	15 858	32 969	876 090	3 156 245	4 429 136	7 721 064	116 244
3312	Steel product manufacturing from purchased steel .....	—	8	7	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	8	7	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing .....	—	6	6	660	32 004	501	1 062	21 591	112 402	199 328	306 723	D
3313	Alumina and aluminum production and processing .....	—	5	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	5	2	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	2	2	e	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	e	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	156	50	4 060	156 693	3 107	6 359	110 385	435 072	486 306	919 977	18 722
3321	Forging and stamping.....	1	5	3	e	D	D	D	D	D	D	D	654
33211	Forging and stamping.....	1	5	3	e	D	D	D	D	D	D	D	654
3323	Architectural and structural metals manufacturing .....	1	29	11	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	1	15	7	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	7	2	403	10 958	385	882	9 811	53 642	37 655	90 683	2 081
33261	Spring and wire product manufacturing .....	—	7	2	403	10 958	385	882	9 811	53 642	37 655	90 683	2 081
332612	Spring (light gauge) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	73	12	806	32 020	598	1 125	22 305	64 515	23 985	87 290	3 387
33271	Machine shops .....	2	64	10	685	28 538	526	990	20 038	56 593	20 958	76 337	D
332710	Machine shops .....	2	64	10	685	28 538	526	990	20 038	56 593	20 958	76 337	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Gary, IN Metropolitan Division—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities .....	-	24	14	839	33 756	663	1 359	25 021	83 777	73 179	156 235	3 603
33281	Coating, engraving, heat treating, and allied activities ..	-	24	14	839	33 756	663	1 359	25 021	83 777	73 179	156 235	3 603
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	12	6	398	16 681	313	694	12 116	42 728	42 131	82 900	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	-	6	4	250	10 266	200	406	7 784	23 044	4 129	28 502	D
3329	Other fabricated metal product manufacturing .....	-	14	6	790	34 541	552	1 118	21 061	66 202	42 127	107 140	4 361
33299	All other fabricated metal product manufacturing .....	-	11	5	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	8	4	339	15 847	249	547	10 469	20 571	28 560	48 521	1 548
333	Machinery manufacturing .....	1	52	18	1 260	58 735	763	1 656	29 564	143 868	94 087	239 763	D
3332	Industrial machinery manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	-	18	4	309	13 311	221	503	8 505	27 586	20 444	49 850	D
33351	Metalworking machinery manufacturing .....	-	18	4	309	13 311	221	503	8 505	27 586	20 444	49 850	D
3339	Other general purpose machinery manufacturing .....	2	24	9	396	16 474	232	454	7 441	51 661	36 066	87 723	D
334	Computer and electronic product manufacturing .....	1	20	4	397	13 038	291	474	7 144	30 504	30 544	61 490	280
3344	Semiconductor and other electronic component manufacturing .....	-	10	3	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	10	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	22	10	2 149	85 457	1 337	2 864	52 957	190 304	335 328	528 256	9 563
3363	Motor vehicle parts manufacturing .....	-	12	5	1 103	46 863	910	2 011	37 172	134 104	245 265	377 584	4 809
33636	Motor vehicle seating and interior trim manufacturing ....	-	3	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	3	3	f	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	23	2	e	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	19	2	e	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	-	13	2	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	13	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Gary, IN Metropolitan Division—Con.</b>												
339	Miscellaneous manufacturing .....	4	53	13	894	27 377	631	1 215	15 208	66 103	38 824	104 469	4 572
3391	Medical equipment and supplies manufacturing .....	6	21	6	426	13 481	320	594	7 768	35 031	13 706	48 716	1 137
33911	Medical equipment and supplies manufacturing .....	6	21	6	426	13 481	320	594	7 768	35 031	13 706	48 716	1 137
339112	Surgical and medical instrument manufacturing ..	7	4	3	277	9 564	204	422	5 042	27 098	8 849	35 911	912
3399	Other miscellaneous manufacturing .....	2	32	7	468	13 896	311	621	7 440	31 072	25 118	55 753	3 435
	<b>Lake County-Kenosha County, IL-WI Metropolitan Division</b>												
31-33	Manufacturing .....	—	1 133	385	61 021	3 113 933	33 771	70 849	1 304 272	9 594 171	5 889 172	15 523 601	778 031
311	Food manufacturing .....	—	74	24	2 238	67 641	1 600	3 352	40 298	259 294	413 333	671 842	17 374
3113	Sugar and confectionery product manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	8	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	8	3	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	5	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	1	38	7	549	12 177	317	569	6 925	38 257	46 452	85 214	D
31181	Bread and bakery product manufacturing .....	2	35	5	e	D	D	D	D	D	D	D	D
311811	Retail bakeries .....	4	31	4	372	6 170	198	299	3 067	10 159	5 381	15 538	D
3119	Other food manufacturing .....	2	13	6	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	1	30	5	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	17	5	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	1	16	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	20	16	1 570	65 674	1 199	2 322	42 036	151 391	211 188	374 056	D
3222	Converted paper product manufacturing .....	—	19	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	8	6	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	7	6	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	3	3	376	13 284	321	710	10 035	34 045	45 772	82 280	D
322232	Envelope manufacturing .....	—	3	3	376	13 284	321	710	10 035	34 045	45 772	82 280	D
32229	Other converted paper product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	4	146	30	2 554	99 921	1 657	3 353	51 601	197 995	151 545	352 141	12 412
3231	Printing and related support activities .....	4	146	30	2 554	99 921	1 657	3 353	51 601	197 995	151 545	352 141	12 412
32311	Printing .....	4	134	30	2 496	97 706	1 611	3 263	50 118	194 156	150 039	346 786	12 296
323110	Commercial lithographic printing .....	5	64	16	1 431	60 782	916	1 848	30 576	111 563	78 323	192 975	6 395
323113	Commercial screen printing ..	—	11	3	e	D	D	D	D	D	D	D	D
323118	Blankbook, looseleaf binders, and devices manufacturing ..	8	5	5	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
325	Chemical manufacturing .....	—	46	22	21 003	1 485 511	6 566	15 271	421 385	5 181 642	1 766 336	6 943 409	D
3251	Basic chemical manufacturing ...	1	8	4	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	9 891
325199	All other basic organic chemical manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	9 891
3254	Pharmaceutical and medicine manufacturing .....	—	5	2	j	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	—	5	2	j	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	—	5	2	j	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	7	5	e	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	9	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	72	37	4 733	170 710	3 502	7 640	101 761	485 282	350 538	846 442	40 402
3261	Plastics product manufacturing ..	—	62	33	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unaminated film and sheet manufacturing .....	1	11	8	f	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing ..	2	3	3	f	D	D	D	D	D	D	D	1 422
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	44	21	3 371	123 380	2 478	5 528	70 098	340 868	215 943	563 945	33 342
326199	All other plastics product manufacturing .....	—	44	21	3 371	123 380	2 478	5 528	70 098	340 868	215 943	563 945	33 342
3262	Rubber product manufacturing ...	—	10	4	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	—	7	4	264	9 011	194	407	4 856	20 514	11 078	32 140	1 095
327	Nonmetallic mineral product manufacturing .....	—	32	12	1 131	41 907	849	1 690	24 400	108 969	77 985	186 767	D
3273	Cement and concrete product manufacturing .....	—	15	6	715	27 620	508	1 012	14 687	62 595	48 220	111 239	D
32739	Other concrete product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	13	6	881	32 088	748	1 623	25 346	114 986	181 305	296 350	D
3315	Foundries .....	—	8	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	6	3	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	—	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	214	64	6 226	249 078	4 578	9 010	151 011	516 980	430 729	949 692	32 565
3321	Forging and stamping .....	2	15	8	f	D	D	D	D	D	D	D	6 651
33211	Forging and stamping .....	2	15	8	f	D	D	D	D	D	D	D	6 651
332116	Metal stamping .....	2	10	7	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	1	8	4	808	33 582	637	1 428	22 045	59 623	43 087	105 996	1 703
33221	Cutlery and handtool manufacturing .....	1	8	4	808	33 582	637	1 428	22 045	59 623	43 087	105 996	1 703
332212	Hand and edge tool manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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	<b>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing .....	—	30	7	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	—	15	4	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	3	6	4	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	6	4	532	18 836	378	766	7 724	44 081	15 937	59 629	775
33251	Hardware manufacturing .....	—	6	4	532	18 836	378	766	7 724	44 081	15 937	59 629	775
332510	Hardware manufacturing .....	—	6	4	532	18 836	378	766	7 724	44 081	15 937	59 629	775
3326	Spring and wire product manufacturing .....	2	10	2	310	19 016	186	427	9 982	36 264	13 266	49 628	3 275
33261	Spring and wire product manufacturing .....	2	10	2	310	19 016	186	427	9 982	36 264	13 266	49 628	3 275
332612	Spring (light gauge) manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	95	22	1 569	57 788	1 145	2 145	36 214	128 775	85 750	216 658	11 420
33271	Machine shops .....	1	72	8	792	27 817	588	1 087	17 012	51 932	19 329	71 857	D
332710	Machine shops .....	1	72	8	792	27 817	588	1 087	17 012	51 932	19 329	71 857	D
33272	Turned product and screw, nut, and bolt manufacturing .....	—	23	14	777	29 971	557	1 058	19 202	76 843	66 421	144 801	D
332721	Precision turned product manufacturing .....	1	15	8	e	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	—	8	6	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	3	20	5	269	9 273	222	427	6 679	17 606	6 433	24 086	1 244
33281	Coating, engraving, heat treating, and allied activities ..	3	20	5	269	9 273	222	427	6 679	17 606	6 433	24 086	1 244
3329	Other fabricated metal product manufacturing .....	1	24	8	755	35 086	476	992	18 978	42 208	90 721	133 326	2 539
33291	Metal valve manufacturing ....	—	5	4	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	5	19	4	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	4	15	3	277	10 977	213	443	8 099	24 535	14 127	38 267	D
333	Machinery manufacturing .....	4	152	45	4 429	185 679	2 907	6 245	94 953	463 161	511 080	992 195	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	2	25	6	e	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing .....	6	64	13	1 477	68 378	956	2 046	35 505	218 587	116 684	331 199	D
33351	Metalworking machinery manufacturing .....	6	64	13	1 477	68 378	956	2 046	35 505	218 587	116 684	331 199	D
333511	Industrial mold manufacturing .....	4	21	3	351	17 022	246	497	9 192	34 947	9 902	44 982	D
333518	Other metalworking machinery manufacturing ..	7	8	6	792	37 044	485	1 137	18 296	155 217	93 012	245 625	D
3339	Other general purpose machinery manufacturing .....	5	36	14	1 287	58 762	785	1 622	30 402	123 417	150 293	291 639	D
33399	All other general purpose machinery manufacturing ....	6	27	11	1 020	45 087	614	1 267	21 714	117 879	136 096	253 269	D
333993	Packaging machinery manufacturing .....	9	5	2	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	8	16	4	386	16 279	223	444	7 705	52 035	56 539	108 390	D
334	Computer and electronic product manufacturing .....	—	67	34	4 352	197 397	2 150	4 356	67 411	582 892	412 675	1 005 482	18 598
3341	Computer and peripheral equipment manufacturing .....	—	7	3	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	7	3	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	6	3	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	20	10	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	1	20	10	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing .....	3	5	4	267	8 226	211	402	5 702	14 992	9 310	24 779	463
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	4	2	408	11 308	236	505	5 518	33 597	54 243	84 584	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	30	15	1 919	91 802	934	1 873	34 930	328 193	196 371	527 108	6 592
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	30	15	1 919	91 802	934	1 873	34 930	328 193	196 371	527 108	6 592
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	6	3	f	D	D	D	D	D	D	D	1 846
334516	Analytical laboratory instrument manufacturing ..	—	3	2	264	13 294	50	111	1 706	29 515	30 274	60 380	819
335	Electrical equipment, appliance, and component manufacturing .....	1	41	22	3 055	118 338	1 840	3 508	47 855	441 415	352 733	800 609	D
3351	Electric lighting equipment manufacturing .....	—	6	3	e	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	6	3	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	11	6	490	22 397	297	437	6 913	184 620	44 488	239 541	D
33531	Electrical equipment manufacturing .....	—	11	6	490	22 397	297	437	6 913	184 620	44 488	239 541	D
3359	Other electrical equipment and component manufacturing .....	2	22	12	g	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	—	10	6	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	—	6	4	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	8	10	4	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	8	10	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
336	Transportation equipment manufacturing .....	-	25	11	2 773	166 860	2 199	4 556	129 249	355 180	582 261	919 269	42 911
3363	Motor vehicle parts manufacturing .....	-	16	8	2 433	154 281	1 982	4 092	121 884	325 774	559 002	866 902	42 174
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	5	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	-	5	1	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	5	4	254	9 580	162	291	5 584	21 891	13 269	33 934	D
336370	Motor vehicle metal stamping .....	-	5	4	254	9 580	162	291	5 584	21 891	13 269	33 934	D
337	Furniture and related product manufacturing .....	2	68	15	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	2	50	11	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	3	28	5	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	3	28	5	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	2	22	6	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	2	95	33	3 514	148 829	2 139	4 273	57 143	494 313	245 214	740 997	45 605
3391	Medical equipment and supplies manufacturing .....	4	36	10	1 352	55 018	871	1 764	23 843	152 197	82 238	230 743	6 057
33911	Medical equipment and supplies manufacturing .....	4	36	10	1 352	55 018	871	1 764	23 843	152 197	82 238	230 743	6 057
339112	Surgical and medical instrument manufacturing ..	-	7	5	450	17 902	238	481	7 804	57 262	30 184	85 989	2 122
339113	Surgical appliance and supplies manufacturing ....	8	5	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	59	23	2 162	93 811	1 268	2 509	33 300	342 116	162 976	510 254	39 548
33995	Sign manufacturing .....	2	15	7	371	11 905	276	524	6 842	20 918	13 500	34 361	D
339950	Sign manufacturing .....	2	15	7	371	11 905	276	524	6 842	20 918	13 500	34 361	D
33999	All other miscellaneous manufacturing .....	-	27	10	1 522	71 525	818	1 635	22 084	249 276	93 995	348 691	D
339992	Musical instrument manufacturing .....	2	4	2	e	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	-	19	5	1 045	54 415	486	1 013	11 735	197 456	78 499	278 908	D
	<b>Kankakee-Bradley, IL Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	-	116	45	6 308	271 656	4 181	8 937	158 108	967 841	1 373 500	2 281 138	89 129
311	Food manufacturing .....	-	13	6	955	28 133	666	1 491	19 656	80 180	208 644	289 743	7 974
3112	Grain and oilseed milling .....	-	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	1	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	e	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	4	3	318	10 007	249	560	7 101	20 986	38 720	59 788	1 243
3222	Converted paper product manufacturing .....	-	4	3	318	10 007	249	560	7 101	20 986	38 720	59 788	1 243

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Kankakee-Bradley, IL Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing .....	—	10	7	1 765	98 801	862	1 797	44 926	430 562	610 262	981 097	61 303
3254	Pharmaceutical and medicine manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
325411	Medicinal and botanical manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	3	3	301	14 815	178	393	7 838	25 246	88 942	116 395	3 405
326	Plastics and rubber products manufacturing .....	—	9	6	774	34 415	670	1 478	27 996	192 984	162 169	355 748	7 396
3261	Plastics product manufacturing ..	—	9	6	774	34 415	670	1 478	27 996	192 984	162 169	355 748	7 396
32619	Other plastics product manufacturing .....	—	6	5	633	28 969	546	1 201	23 456	162 837	129 612	292 543	D
326192	Resilient floor covering manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	3	3	559	27 053	447	999	20 924	54 315	127 403	179 778	2 192
3311	Iron and steel mills and ferroalloy manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	25	4	507	20 099	401	826	12 995	45 405	94 212	138 999	1 301
3323	Architectural and structural metals manufacturing .....	—	6	2	261	9 777	200	420	5 000	12 771	41 108	53 625	D
333	Machinery manufacturing .....	4	11	5	632	22 731	431	867	10 619	57 207	43 175	99 742	1 706
	<b>Michigan City-La Porte, IN Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	1	195	80	9 095	327 647	6 562	13 188	197 105	924 395	818 217	1 738 069	33 428
311	Food manufacturing .....	—	8	4	1 093	27 262	833	1 515	20 349	75 836	51 088	126 655	2 544
3118	Bakeries and tortilla manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	3	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	6	3	403	12 628	335	618	9 102	15 509	71 154	80 805	1 744
3219	Other wood product manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	6	5	267	8 329	196	395	5 034	25 223	34 264	58 906	1 033
3222	Converted paper product manufacturing .....	1	6	5	267	8 329	196	395	5 034	25 223	34 264	58 906	1 033
325	Chemical manufacturing .....	1	12	7	536	21 372	286	486	9 947	86 326	93 473	174 508	5 814
326	Plastics and rubber products manufacturing .....	6	14	4	428	14 004	328	667	8 071	18 022	21 386	40 214	1 243
331	Primary metal manufacturing .....	—	8	6	1 255	49 253	993	2 251	33 269	96 884	66 681	162 534	D
3315	Foundries .....	—	7	6	g	D	D	D	D	D	D	D	2 665
33151	Ferrous metal foundries .....	—	7	6	g	D	D	D	D	D	D	D	2 665
331512	Steel investment foundries ..	—	3	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Michigan City-La Porte, IN Metropolitan Statistical Area—Con.</b>													
332	Fabricated metal product manufacturing .....	2	49	19	1 473	54 139	1 136	2 247	36 265	160 668	172 493	332 966	6 590
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	17	4	292	12 347	220	443	8 210	37 112	21 145	56 265	1 102
3328	Coating, engraving, heat treating, and allied activities .....	—	6	4	266	9 854	210	406	6 965	38 096	31 864	69 851	D
33281	Coating, engraving, heat treating, and allied activities ..	—	6	4	266	9 854	210	406	6 965	38 096	31 864	69 851	D
3329	Other fabricated metal product manufacturing .....	4	9	4	270	9 887	190	383	5 505	28 198	51 379	79 247	1 314
333	Machinery manufacturing .....	1	32	17	1 878	80 231	1 256	2 524	43 223	269 472	209 491	478 943	4 403
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	5	4	905	34 757	656	1 376	20 346	163 367	83 466	245 664	1 924
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	5	4	905	34 757	656	1 376	20 346	163 367	83 466	245 664	1 924
333411	Air purification equipment manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	2	14	9	793	37 983	497	938	19 589	92 773	114 755	208 674	1 731
33391	Pump and compressor manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	7	10	5	284	10 495	182	352	5 771	28 305	27 634	56 569	976
336	Transportation equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	2	15	3	456	12 826	317	650	6 071	26 823	10 433	35 297	1 843
3391	Medical equipment and supplies manufacturing .....	—	6	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	—	6	1	e	D	D	D	D	D	D	D	D
339114	Dental equipment and supplies manufacturing ....	—	3	1	e	D	D	D	D	D	D	D	D
<b>EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	2	286	100	12 365	433 021	9 110	17 803	284 084	1 910 067	1 458 728	3 387 588	113 582
311	Food manufacturing .....	—	30	9	1 526	50 469	1 054	2 170	33 402	290 306	355 143	645 551	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	—	3	3	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	8	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	7	3	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA—Con.</b>													
316	Leather and allied product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	4	18	7	1 133	34 388	905	1 782	24 499	199 152	234 611	440 713	D
3219	Other wood product manufacturing .....	6	7	3	f	D	D	D	D	D	D	D	D
32191	Millwork .....	6	3	2	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	6	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	4	8	7	908	38 480	704	1 449	26 845	141 687	129 378	269 224	6 630
3221	Pulp, paper, and paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	1	1	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	6	7	6	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	9	4	3	e	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	9	3	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	31	3	e	D	D	D	D	D	D	D	7 333
3231	Printing and related support activities .....	1	31	3	e	D	D	D	D	D	D	D	7 333
32311	Printing .....	1	30	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	24	11	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	23	10	g	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	4	2	270	11 612	218	407	8 203	40 115	52 529	93 463	1 571
32614	Polystyrene foam product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	16	6	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	15	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	13	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	41	11	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	9	4	e	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	4	30	14	1 000	39 005	723	1 450	24 717	98 163	53 325	152 321	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	5	13	4	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	5	13	4	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	9	8	6	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA—Con.</b>													
334	Computer and electronic product manufacturing .....	1	16	9	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	4	3	g	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	4	7	6	1 292	50 396	901	1 750	25 492	106 630	121 366	227 109	D
33441	Semiconductor and other electronic component manufacturing .....	4	7	6	1 292	50 396	901	1 750	25 492	106 630	121 366	227 109	D
334412	Bare printed circuit board manufacturing .....	9	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	4	16	7	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	13	5	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	—	10	4	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	28	9	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing .....	1	9	4	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	1	9	4	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	1	4	3	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	19	5	e	D	D	D	D	D	D	D	D
<b>Eau Claire, WI Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	2	237	83	10 141	350 078	7 328	14 458	225 448	1 237 922	1 129 304	2 385 009	85 630
311	Food manufacturing .....	—	23	7	1 060	32 808	669	1 363	18 930	160 200	263 070	424 502	4 918
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	—	3	3	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	6	2	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	5	2	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	8	11	4	766	23 609	584	1 202	15 635	64 717	159 366	231 489	D
3219	Other wood product manufacturing .....	9	5	2	f	D	D	D	D	D	D	D	D
32191	Millwork .....	9	2	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	4	8	7	908	38 480	704	1 449	26 845	141 687	129 378	269 224	6 630
3221	Pulp, paper, and paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	1	1	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	6	7	6	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	9	4	3	e	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	9	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Eau Claire, WI Metropolitan Statistical Area—Con.</b>												
323	Printing and related support activities .....	1	24	3	266	7 181	190	345	4 641	18 528	8 204	26 580	7 281
3231	Printing and related support activities .....	1	24	3	266	7 181	190	345	4 641	18 528	8 204	26 580	7 281
32311	Printing .....	1	23	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	23	11	1 244	44 278	1 013	1 913	33 031	185 202	125 870	309 278	6 015
3261	Plastics product manufacturing ..	—	22	10	g	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	4	2	270	11 612	218	407	8 203	40 115	52 529	93 463	1 571
32614	Polystyrene foam product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	15	6	f	D	D	D	D	D	D	D	3 452
326199	All other plastics product manufacturing .....	—	14	6	570	19 980	471	959	15 506	84 010	44 803	127 294	D
332	Fabricated metal product manufacturing .....	—	34	8	707	19 835	529	907	13 660	51 734	36 521	89 325	12 126
3323	Architectural and structural metals manufacturing .....	—	7	3	392	10 613	294	457	7 242	26 172	24 532	51 669	D
333	Machinery manufacturing .....	4	26	12	910	34 571	656	1 298	21 832	89 029	49 840	139 210	2 538
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	6	10	3	288	12 007	212	391	8 103	29 687	7 317	37 396	802
33351	Metalworking machinery manufacturing .....	6	10	3	288	12 007	212	391	8 103	29 687	7 317	37 396	802
334	Computer and electronic product manufacturing .....	2	14	8	2 265	82 700	1 707	3 516	53 066	289 317	159 765	450 639	12 245
3341	Computer and peripheral equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	4	7	6	1 292	50 396	901	1 750	25 492	106 630	121 366	227 109	D
33441	Semiconductor and other electronic component manufacturing .....	4	7	6	1 292	50 396	901	1 750	25 492	106 630	121 366	227 109	D
334412	Bare printed circuit board manufacturing .....	9	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	4	12	6	519	15 771	352	681	9 253	47 795	29 175	77 014	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	10	5	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	306
339	Miscellaneous manufacturing .....	—	24	6	378	9 526	240	410	4 288	20 350	10 003	30 990	650

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Menomonie, WI Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	49	17	2 224	82 943	1 782	3 345	58 636	672 145	329 424	1 002 579	27 952
311	Food manufacturing .....	1	7	2	466	17 661	385	807	14 472	130 106	92 073	221 049	D
3115	Dairy product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	7	3	367	10 779	321	580	8 864	134 435	75 245	209 224	2 402
3219	Other wood product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
32191	Millwork .....	—	1	1	e	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	4	3	e	D	D	D	D	D	D	D	D
<b>FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	337	132	20 961	776 230	16 083	30 891	513 720	2 444 839	2 729 977	5 196 887	98 897
311	Food manufacturing .....	—	54	30	3 973	123 950	3 329	6 185	95 487	526 493	968 658	1 488 848	18 506
3114	Fruit and vegetable preserving and specialty food manufacturing .....	3	11	10	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	3	8	7	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	3	8	7	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	20	13	1 933	65 328	1 609	3 022	49 270	338 132	747 596	1 081 695	10 557
31151	Dairy product (except frozen) manufacturing .....	—	20	13	1 933	65 328	1 609	3 022	49 270	338 132	747 596	1 081 695	10 557
311513	Cheese manufacturing .....	—	18	12	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	9	4	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
314	Textile product mills .....	—	5	3	e	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	—	5	3	e	D	D	D	D	D	D	D	D
31491	Textile bag and canvas mills .....	—	3	2	e	D	D	D	D	D	D	D	D
314911	Textile bag mills .....	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	21	4	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	10	7	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	1	10	7	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	22	6	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	22	6	g	D	D	D	D	D	D	D	D
32311	Printing .....	—	22	6	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	12	4	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	—	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	7	4	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing .....	—	7	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA—Con.</b>													
331	Primary metal manufacturing .....	-	7	6	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	-	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	-	5	5	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	-	2	2	e	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	92	33		3 096	111 728	2 343	4 631	70 677	238 256	222 063	463 276
3321	Forging and stamping.....	-	11	8	g	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	11	8	g	D	D	D	D	D	D	D	D
332116	Metal stamping .....	-	8	5	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	23	9	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	14	6	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	10	5	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	37	9		758	30 127	542	983	17 338	65 378	32 453	95 950
33272	Turned product and screw, nut, and bolt manufacturing .....	-	9	6		532	22 649	376	648	12 335	50 350	26 468	75 186
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	-	3	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	38	19		5 894	277 091	3 944	7 388	156 508	889 723	820 399	1 729 938
3331	Agriculture, construction, and mining machinery manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	-	11	5	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	-	11	5	g	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	-	2	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	10	4	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	-	5	3	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	-	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	10	3	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	27	4	e	D	D	D	D	D	D	D	2 166
3399	Other miscellaneous manufacturing .....	1	22	3	e	D	D	D	D	D	D	D	D
<b>Beaver Dam, WI Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	-	171	71	10 446	377 051	8 287	16 113	265 771	1 346 930	1 349 936	2 723 935	56 433
311	Food manufacturing .....	-	30	14	1 663	53 271	1 373	2 791	41 150	324 158	437 502	756 622	8 992
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	4	4	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	2	2	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	-	2	2	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
31151	Dairy product (except frozen) manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
311513	Cheese manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
323	Printing and related support activities .....	-	7	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	7	2	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	7	2	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	47	23	2 543	88 765	1 989	3 913	58 791	195 517	180 242	380 723	8 442
3321	Forging and stamping .....	-	8	6	1 013	33 707	805	1 640	21 135	71 070	73 483	147 205	1 570
33211	Forging and stamping .....	-	8	6	1 013	33 707	805	1 640	21 135	71 070	73 483	147 205	1 570
332116	Metal stamping .....	-	6	4	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	11	7	600	21 536	464	964	15 104	44 540	31 865	80 349	3 144
33232	Ornamental and architectural metal products manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	8	5	447	16 512	361	748	12 156	32 463	27 796	64 197	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	16	5	485	17 256	382	667	11 751	41 607	18 539	58 570	2 286
33272	Turned product and screw, nut, and bolt manufacturing .....	-	4	3	384	14 295	308	529	9 816	34 931	15 899	49 376	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	-	3	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	21	12	2 910	128 982	2 067	3 815	79 144	467 373	421 760	913 420	21 938
3331	Agriculture, construction, and mining machinery manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Beaver Dam, WI Micropolitan Statistical Area—Con.</b>												
333 3339	Machinery manufacturing—Con. Other general purpose machinery manufacturing .....	—	6	4	324	12 570	180	320	5 243	28 797	22 820	51 941	384
33399	All other general purpose machinery manufacturing ....	—	5	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	790
	<b>Fond du Lac, WI Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	—	166	61	10 515	399 179	7 796	14 778	247 949	1 097 909	1 380 041	2 472 952	42 464
311	Food manufacturing .....	—	24	16	2 310	70 679	1 956	3 394	54 337	202 335	531 156	732 226	9 514
3114	Fruit and vegetable preserving and specialty food manufacturing .....	4	7	6	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	5	6	5	517	14 448	441	907	11 016	59 642	66 747	126 393	3 722
311421	Fruit and vegetable canning ..	5	6	5	517	14 448	441	907	11 016	59 642	66 747	126 393	3 722
3115	Dairy product manufacturing .....	—	6	5	851	29 971	693	1 252	21 731	96 083	384 785	481 944	3 432
31151	Dairy product (except frozen) manufacturing .....	—	6	5	851	29 971	693	1 252	21 731	96 083	384 785	481 944	3 432
311513	Cheese manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
314	Textile product mills .....	—	4	3	400	11 648	324	618	7 685	11 880	15 958	27 670	D
3149	Other textile product mills .....	—	4	3	400	11 648	324	618	7 685	11 880	15 958	27 670	D
31491	Textile bag and canvas mills ...	—	3	2	e	D	D	D	D	D	D	D	D
314911	Textile bag mills .....	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
3231	Printing and related support activities .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
32311	Printing .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
323110	Commercial lithographic printing .....	—	9	3	488	13 922	395	681	11 113	55 023	17 922	72 998	D
326	Plastics and rubber products manufacturing .....	—	3	2	344	11 213	304	622	9 238	21 597	23 012	44 217	1 070
3261	Plastics product manufacturing ..	—	3	2	344	11 213	304	622	9 238	21 597	23 012	44 217	1 070
331	Primary metal manufacturing .....	—	4	4	785	29 796	656	1 305	22 551	73 129	57 372	131 672	D
3313	Alumina and aluminum production and processing .....	—	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	3	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	2	2	e	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	45	10	553	22 963	354	718	11 886	42 739	41 821	82 553	5 464
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	21	4	273	12 871	160	316	5 587	23 771	13 914	37 380	3 877

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Fond du Lac, WI Metropolitan Statistical Area—Con.</b>													
333	Machinery manufacturing .....	-	17	7	2 984	148 109	1 877	3 573	77 364	422 350	398 639	816 518	12 489
3335	Metalworking machinery manufacturing .....	-	7	2	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	-	7	2	g	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	16	3	357	9 303	225	415	5 164	27 523	20 990	48 807	1 520
<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	832	288	37 685	1 424 778	25 693	50 209	805 984	4 342 937	3 882 062	8 188 361	232 743
311	Food manufacturing .....	-	101	41	5 384	181 411	3 998	8 211	127 236	598 497	1 198 131	1 773 672	35 964
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	9	8	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	1	7	6	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	1	7	6	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	20	11	1 379	44 021	1 124	2 268	34 147	187 745	788 752	955 596	D
31151	Dairy product (except frozen) manufacturing .....	-	17	10	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	12	5	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	11	4	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	11	4	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	8	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	-	28	7	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	-	25	6	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	11	3	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	40	14	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	2	31	10	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	1	10	4	f	D	D	D	D	D	D	D	D
321992	Prefabricated wood building manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	-	8	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>													
322	Paper manufacturing .....	-	7	3	299	11 225	160	352	5 649	42 944	96 233	138 620	11 117
3222	Converted paper product manufacturing .....	-	7	3	299	11 225	160	352	5 649	42 944	96 233	138 620	11 117
323	Printing and related support activities .....	-	123	32	h	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	123	32	h	D	D	D	D	D	D	D	D
32311	Printing .....	-	109	26	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	45	12	g	D	D	D	D	D	D	D	D
323114	Quick printing .....	-	34	3	e	D	D	D	D	D	D	D	D
323117	Books printing .....	-	3	1	f	D	D	D	D	D	D	D	D
32312	Support activities for printing .....	2	14	6	399	15 527	274	492	9 452	34 486	9 495	43 686	1 153
323122	Prepress services .....	-	9	5	326	13 609	215	378	7 960	27 784	3 879	31 237	1 025
325	Chemical manufacturing .....	2	39	15	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
32541	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
325412	Pharmaceutical preparation manufacturing .....	4	3	2	269	13 548	145	299	5 394	73 299	56 892	119 445	7 147
325414	Biological product (except diagnostic) manufacturing ..	-	4	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	51	29	4 840	172 815	3 604	6 709	106 491	472 797	360 660	836 280	30 079
3261	Plastics product manufacturing ..	-	41	22	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	-	6	2	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	-	6	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	30	15	h	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	29	15	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	-	10	7	g	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	-	8	6	g	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	-	7	5	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	39	12	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	-	8	3	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	8	3	g	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	5	2	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	2	15	5	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	11	8	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	9	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	3	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	6	5	954	34 891	804	1 808	24 667	75 555	54 200	129 449	D
331524	Aluminum foundries (except die-casting) .....	-	1	1	f	D	D	D	D	D	D	D	D
331525	Copper foundries (except die-casting) .....	-	2	2	e	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>													
332	Fabricated metal product manufacturing .....	2	109	32	3 297	114 727	2 441	4 698	73 357	359 679	282 266	637 641	11 414
3323	Architectural and structural metals manufacturing .....	1	33	11	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	2	16	6	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing .....	3	8	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	—	17	5	569	17 657	426	757	11 315	46 373	27 276	73 106	D
332323	Ornamental and architectural metal work manufacturing ..	—	8	3	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ....	—	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	33	4	e	D	D	D	D	D	D	D	D
33271	Machine shops .....	1	30	4	425	14 706	363	703	10 899	28 451	13 250	41 218	2 024
332710	Machine shops .....	1	30	4	425	14 706	363	703	10 899	28 451	13 250	41 218	2 024
3328	Coating, engraving, heat treating, and allied activities .....	2	8	4	270	7 964	236	279	6 402	10 680	4 568	15 240	D
33281	Coating, engraving, heat treating, and allied activities ..	2	8	4	270	7 964	236	279	6 402	10 680	4 568	15 240	D
3329	Other fabricated metal product manufacturing .....	—	25	6	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	—	2	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	2	23	5	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	15	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	74	29	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	1	10	1	e	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	1	8	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	1	7	1	408	16 010	217	443	6 508	4 728	23 112	27 890	D
3332	Industrial machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908
33329	Other industrial machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908
333294	Food product machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908
3333	Commercial and service industry machinery manufacturing .....	1	11	4	268	12 210	115	222	3 636	26 096	22 382	48 043	588
33331	Commercial and service industry machinery manufacturing .....	1	11	4	268	12 210	115	222	3 636	26 096	22 382	48 043	588
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	6	3	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	6	3	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	18	6	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	2	18	6	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>														
333	Machinery manufacturing—Con.													
3339	Other general purpose machinery manufacturing .....	1	19	8	f	D	D	D	D	D	D	D	D	
33391	Pump and compressor manufacturing .....	2	4	3	e	D	D	D	D	D	D	D	2 179	
333911	Pump and pumping equipment manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D	
33399	All other general purpose machinery manufacturing ....	—	13	4	e	D	D	D	D	D	D	D	D	
334	Computer and electronic product manufacturing .....	1	50	24		2 822	154 098	797	1 549	27 126	367 053	261 418	618 781	D
3342	Communications equipment manufacturing .....	7	7	4	e	D	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	8	3	3	e	D	D	D	D	D	D	D	D	1 025
334210	Telephone apparatus manufacturing .....	8	3	3	e	D	D	D	D	D	D	D	D	1 025
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	31	16	g	D	D	D	D	D	D	D	D	10 841
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	31	16	g	D	D	D	D	D	D	D	D	10 841
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	6	6	f	D	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	—	7	5		984	52 221	250	468	9 099	149 067	85 584	224 359	5 483
335	Electrical equipment, appliance, and component manufacturing .....	—	19	13		2 020	77 466	1 399	2 755	43 146	678 194	263 082	944 620	5 836
3352	Household appliance manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	3	3	f	D	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	9	6	g	D	D	D	D	D	D	D	D	D
33591	Battery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	1	7	4	f	D	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	1	7	4	f	D	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	16	4	g	D	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	9	1	f	D	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	9	1	f	D	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	7	1	f	D	D	D	D	D	D	D	D	168
3363	Motor vehicle parts manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing ....	—	1	1	e	D	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	50	12		2 448	86 903	1 546	2 805	52 610	80 839	90 963	180 028	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	34	6	f	D	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	—	20	5	e	D	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	—	20	5	e	D	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	—	14	1	e	D	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	—	9	1		409	13 635	301	599	8 524	18 047	9 895	29 997	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing .....	-	13	5	458	14 948	339	627	9 419	35 281	19 632	55 162	D
33721	Office furniture (including fixtures) manufacturing .....	-	13	5	458	14 948	339	627	9 419	35 281	19 632	55 162	D
337212	Custom architectural woodwork and millwork manufacturing .....	-	4	3	263	9 151	182	348	5 618	20 121	10 566	30 958	D
3379	Other furniture related product manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	76	14	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing .....	-	34	5	g	D	D	D	D	D	D	D	8 065
33911	Medical equipment and supplies manufacturing .....	-	34	5	g	D	D	D	D	D	D	D	8 065
339112	Surgical and medical instrument manufacturing ..	-	6	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	2	42	9	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	2	14	5	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	2	13	5	f	D	D	D	D	D	D	D	D
<b>Baraboo, WI Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	107	45	6 277	203 940	5 060	10 081	149 086	628 214	628 970	1 257 978	36 430
311	Food manufacturing .....	-	15	7	314	8 708	254	489	6 896	24 144	169 846	194 697	2 094
323	Printing and related support activities .....	-	8	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	8	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	8	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	4	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	10	8	1 310	37 984	1 095	2 231	28 226	131 792	69 365	200 808	7 961
3261	Plastics product manufacturing ..	-	7	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	3	3	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	-	3	3	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	-	3	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	4	22	8	1 063	37 151	762	1 633	24 466	125 076	113 521	241 606	5 120
3329	Other fabricated metal product manufacturing .....	-	5	1	e	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	2	5	4	303	7 625	241	443	5 147	20 014	35 256	56 212	213

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Baraboo, WI Micropolitan Statistical Area—Con.</b>												
336	Transportation equipment manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
	<b>Madison, WI Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	-	725	243	31 408	1 220 838	20 633	40 128	656 898	3 714 723	3 253 092	6 930 383	196 313
311	Food manufacturing .....	-	86	34	5 070	172 703	3 744	7 722	120 340	574 353	1 028 285	1 578 975	33 870
3114	Fruit and vegetable preserving and specialty food manufacturing .....	3	7	6	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	2	6	5	357	12 973	285	620	9 342	48 262	53 771	102 159	2 356
311421	Fruit and vegetable canning ..	2	6	5	357	12 973	285	620	9 342	48 262	53 771	102 159	2 356
3115	Dairy product manufacturing ....	-	14	7	1 206	38 757	989	2 018	30 000	181 948	635 475	795 887	6 496
31151	Dairy product (except frozen) manufacturing .....	-	11	6	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	8	3	694	19 812	637	1 262	17 646	67 357	286 340	350 731	3 482
3116	Animal slaughtering and processing .....	-	10	4	1 635	62 157	1 427	2 997	51 673	193 018	159 416	352 008	D
31161	Animal slaughtering and processing .....	-	10	4	1 635	62 157	1 427	2 997	51 673	193 018	159 416	352 008	D
311611	Animal (except poultry) slaughtering .....	-	7	4	1 613	61 481	1 408	2 958	51 189	191 634	156 322	347 537	D
3118	Bakeries and tortilla manufacturing .....	-	26	7	985	25 407	486	927	13 516	27 165	39 509	66 993	1 159
31181	Bread and bakery product manufacturing .....	-	23	6	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	10	3	713	18 857	313	615	9 161	15 570	25 481	41 031	732
321	Wood product manufacturing .....	2	34	11	931	29 260	730	1 407	18 896	59 856	54 372	114 433	D
3219	Other wood product manufacturing .....	2	28	9	825	25 722	643	1 229	16 603	52 849	44 875	97 793	D
32199	All other wood product manufacturing .....	1	9	3	503	17 068	375	785	11 030	36 804	28 256	65 307	3 273
321992	Prefabricated wood building manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	7	3	299	11 225	160	352	5 649	42 944	96 233	138 620	11 117
3222	Converted paper product manufacturing .....	-	7	3	299	11 225	160	352	5 649	42 944	96 233	138 620	11 117
323	Printing and related support activities .....	-	115	31	3 320	122 299	2 451	4 530	80 369	287 067	157 104	445 152	19 252
3231	Printing and related support activities .....	-	115	31	3 320	122 299	2 451	4 530	80 369	287 067	157 104	445 152	19 252
32311	Printing .....	-	101	25	2 921	106 772	2 177	4 038	70 917	252 581	147 609	401 466	18 099
323110	Commercial lithographic printing .....	-	41	11	1 110	38 817	780	1 403	25 317	91 767	43 187	134 465	13 176
323114	Quick printing .....	-	32	3	286	9 564	179	345	4 833	23 281	12 522	35 810	509
323117	Books printing .....	-	3	1	f	D	D	D	D	D	D	D	D
32312	Support activities for printing....	2	14	6	399	15 527	274	492	9 452	34 486	9 495	43 686	1 153
323122	Prepress services .....	-	9	5	326	13 609	215	378	7 960	27 784	3 879	31 237	1 025
325	Chemical manufacturing .....	2	36	15	1 543	74 360	753	1 407	30 030	313 050	199 673	499 251	31 819
3254	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
32541	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
325412	Pharmaceutical preparation manufacturing .....	4	3	2	269	13 548	145	299	5 394	73 299	56 892	119 445	7 147
325414	Biological product (except diagnostic) manufacturing ..	-	4	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Madison, WI Metropolitan Statistical Area—Con.</b>												
326	Plastics and rubber products manufacturing .....	-	41	21	3 530	134 831	2 509	4 478	78 265	341 005	291 295	635 472	22 118
3261	Plastics product manufacturing ..	-	34	17	2 526	93 731	1 733	2 993	50 972	215 632	209 561	428 803	17 357
32619	Other plastics product manufacturing .....	-	26	13	2 151	81 051	1 436	2 341	41 804	183 112	155 359	342 048	15 675
326199	All other plastics product manufacturing .....	-	25	13	g	D	D	D	D	D	D	D	15 675
3262	Rubber product manufacturing ...	-	7	4	1 004	41 100	776	1 485	27 293	125 373	81 734	206 669	4 761
32622	Rubber and plastics hoses and belting manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	2	31	8	699	24 491	558	1 156	17 120	82 791	48 293	132 263	8 351
3272	Glass and glass product manufacturing .....	-	6	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	6	1	e	D	D	D	D	D	D	D	D
327211	Flat glass manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	10	7	1 030	38 318	859	1 921	26 619	82 581	60 858	143 139	D
3315	Foundries .....	-	8	5	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	-	6	5	954	34 891	804	1 808	24 667	75 555	54 200	129 449	D
331524	Aluminum foundries (except die-casting) .....	-	1	1	f	D	D	D	D	D	D	D	D
331525	Copper foundries (except die-casting) .....	-	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	87	24	2 234	77 576	1 679	3 065	48 891	234 603	168 745	396 035	6 294
3323	Architectural and structural metals manufacturing .....	-	27	9	898	33 075	609	1 073	17 807	81 745	71 955	153 215	1 903
33231	Plate work and fabricated structural product manufacturing .....	-	13	4	341	15 895	194	336	6 907	36 260	44 942	81 260	630
332312	Fabricated structural metal manufacturing .....	-	6	3	256	12 790	142	233	5 381	29 492	40 661	70 185	D
33232	Ornamental and architectural metal products manufacturing .....	-	14	5	557	17 180	415	737	10 900	45 485	27 013	71 955	1 273
332323	Ornamental and architectural metal work manufacturing ..	-	7	3	365	10 405	258	412	5 863	30 125	12 962	43 042	710
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	29	4	e	D	D	D	D	D	D	D	D
33271	Machine shops .....	1	26	4	400	13 809	343	667	10 280	26 810	12 502	38 829	1 953
332710	Machine shops .....	1	26	4	400	13 809	343	667	10 280	26 810	12 502	38 829	1 953
3329	Other fabricated metal product manufacturing .....	2	20	5	301	9 459	204	384	5 273	22 852	18 208	40 736	871
33299	All other fabricated metal product manufacturing .....	2	19	5	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	14	5	287	8 984	193	366	4 959	21 692	17 726	39 094	840
333	Machinery manufacturing .....	1	62	25	2 522	104 806	1 430	2 813	45 028	240 494	239 347	484 671	11 595
3331	Agriculture, construction, and mining machinery manufacturing .....	1	9	1	e	D	D	D	D	D	D	D	1 715
33311	Agricultural implement manufacturing .....	1	7	1	408	16 010	217	443	6 508	4 728	23 112	27 890	D
333111	Farm machinery and equipment manufacturing ..	1	7	1	408	16 010	217	443	6 508	4 728	23 112	27 890	D
3332	Industrial machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908
33329	Other industrial machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908
333294	Food product machinery manufacturing .....	2	9	7	591	28 843	323	667	11 955	55 240	43 412	99 558	1 908

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Madison, WI Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing .....	1	11	4	268	12 210	115	222	3 636	26 096	22 382	48 043	588
33331	Commercial and service industry machinery manufacturing .....	1	11	4	268	12 210	115	222	3 636	26 096	22 382	48 043	588
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	5	3	290	10 309	228	468	7 257	33 722	42 659	76 402	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	5	3	290	10 309	228	468	7 257	33 722	42 659	76 402	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	18	7	832	32 303	456	841	12 623	107 462	99 955	211 956	3 349
33391	Pump and compressor manufacturing .....	2	4	3	e	D	D	D	D	D	D	D	2 179
333911	Pump and pumping equipment manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	—	12	3	406	13 919	261	477	6 986	47 374	53 418	101 972	D
334	Computer and electronic product manufacturing .....	1	47	24	2 800	153 092	783	1 520	26 729	365 291	259 418	615 019	14 387
3342	Communications equipment manufacturing .....	7	6	4	e	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	8	3	3	e	D	D	D	D	D	D	D	1 025
334210	Telephone apparatus manufacturing .....	8	3	3	e	D	D	D	D	D	D	D	1 025
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	30	16	2 100	116 827	540	1 034	19 439	277 766	204 794	474 399	10 841
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	30	16	2 100	116 827	540	1 034	19 439	277 766	204 794	474 399	10 841
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	6	6	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	—	7	5	984	52 221	250	468	9 099	149 067	85 584	224 359	5 483
335	Electrical equipment, appliance, and component manufacturing .....	—	14	9	1 717	69 841	1 158	2 312	37 999	658 180	227 826	888 408	5 623
3352	Household appliance manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	3	3	f	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	3 171
33591	Battery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	1	6	3	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	1	6	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	14	2	931	28 662	787	1 736	23 449	57 706	104 740	162 919	D
3362	Motor vehicle body and trailer manufacturing .....	—	9	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	9	1	f	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	7	1	f	D	D	D	D	D	D	D	168

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MADISON-BARABOO, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Madison, WI Metropolitan Statistical Area—Con.</b>													
337	Furniture and related product manufacturing .....	-	47	12	2 443	86 766	1 542	2 798	52 516	80 595	90 795	179 616	11 626
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	31	6	f	D	D	D	D	D	D	D	4 046
33711	Wood kitchen cabinet and countertop manufacturing ....	-	17	5	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	17	5	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	-	14	1	e	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	-	9	1	409	13 635	301	599	8 524	18 047	9 895	29 997	D
3372	Office furniture (including fixtures) manufacturing .....	-	13	5	458	14 948	339	627	9 419	35 281	19 632	55 162	D
33721	Office furniture (including fixtures) manufacturing .....	-	13	5	458	14 948	339	627	9 419	35 281	19 632	55 162	D
337212	Custom architectural woodwork and millwork manufacturing .....	-	4	3	263	9 151	182	348	5 618	20 121	10 566	30 958	D
3379	Other furniture related product manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	72	14	2 073	83 188	1 273	2 505	38 155	275 352	207 544	478 663	11 289
3391	Medical equipment and supplies manufacturing .....	-	33	5	1 005	49 773	509	1 027	19 241	199 874	128 817	328 688	8 065
33911	Medical equipment and supplies manufacturing .....	-	33	5	1 005	49 773	509	1 027	19 241	199 874	128 817	328 688	8 065
339112	Surgical and medical instrument manufacturing ..	-	6	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	2	39	9	1 068	33 415	764	1 478	18 914	75 478	78 727	149 975	3 224
33999	All other miscellaneous manufacturing .....	2	12	5	762	23 989	551	1 082	13 108	57 415	67 201	119 441	2 835
339999	All other miscellaneous manufacturing .....	2	11	5	f	D	D	D	D	D	D	D	2 835
<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	'3 308	'1 244	'155 402	'6 388 931	'104 525	'201 618	'3 584 870	'18 879 675	'16 716 525	'35 781 940	'1 081 430
311	Food manufacturing .....	1	189	82	12 422	399 066	9 009	17 697	258 713	1 449 926	2 279 576	3 727 466	104 716
3113	Sugar and confectionery product manufacturing .....	-	18	6	g	D	D	D	D	D	D	D	D
31132	Chocolate and confectionery manufacturing from cacao beans .....	-	3	3	f	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	-	3	3	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	-	11	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	-	11	2	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	11	8	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	-	4	3	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	7	5	463	14 909	384	755	11 316	49 997	68 452	118 552	2 906
311421	Fruit and vegetable canning .	-	4	3	313	10 393	265	589	8 286	37 717	52 273	89 990	2 340
3115	Dairy product manufacturing .....	-	8	6	830	34 035	601	1 208	22 756	140 320	313 722	454 235	11 387
31151	Dairy product (except frozen) manufacturing .....	-	8	6	830	34 035	601	1 208	22 756	140 320	313 722	454 235	11 387
311513	Cheese manufacturing .....	2	3	3	e	D	D	D	D	D	D	D	4 246
311514	Dry, condensed, and evaporated dairy product manufacturing .....	-	3	2	289	10 764	199	457	6 397	71 988	123 402	194 548	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
311	Food manufacturing—Con.												
3116	Animal slaughtering and processing .....	—	17	12	h	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	17	12	h	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	—	10	7	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	6	4	g	D	D	D	D	D	D	D	D
311615	Poultry processing .....	9	1	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	6	78	22	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	5	71	19	g	D	D	D	D	D	D	D	D
311811	Retail bakeries .....	4	53	11	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	5	16	7	755	25 870	381	768	11 420	80 035	30 237	110 253	5 585
31182	Cookie, cracker, and pasta manufacturing .....	9	6	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	2	48	24	h	D	D	D	D	D	D	D	D
31191	Snack food manufacturing .....	—	7	2	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	—	12	5	623	25 395	449	950	15 720	126 203	126 949	252 704	13 613
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	—	5	2	311	12 091	243	535	8 644	86 808	68 859	155 703	D
311942	Spice and extract manufacturing .....	—	7	3	312	13 304	206	415	7 076	39 395	58 090	97 001	D
31199	All other food manufacturing .....	2	26	15	g	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing .....	2	7	5	366	9 337	289	547	6 386	18 551	22 882	41 400	780
311999	All other miscellaneous food manufacturing .....	2	19	10	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing .....	9	10	4	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	9	9	3	g	D	D	D	D	D	D	D	D
31212	Breweries .....	9	4	1	g	D	D	D	D	D	D	D	D
312120	Breweries .....	9	4	1	g	D	D	D	D	D	D	D	D
313	Textile mills .....	3	12	5	508	16 784	385	768	10 232	25 629	25 555	51 103	D
3132	Fabric mills .....	4	6	3	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	3	39	6	e	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	3	24	3	e	D	D	D	D	D	D	D	D
31499	All other textile product mills .....	2	15	2	277	6 212	207	417	4 388	14 674	16 435	30 355	1 021
314999	All other miscellaneous textile product mills .....	2	14	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	1	21	4	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	15	9	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	68	14	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	1	58	12	f	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing .....	—	26	6	e	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing .....	—	26	6	e	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	1	13	4	e	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	—	11	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>													
322	Paper manufacturing .....	1	54	37	4 168	170 281	2 952	6 034	99 319	394 539	518 768	919 240	23 199
3222	Converted paper product manufacturing .....	1	52	36	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	1	27	20	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	1	22	17	g	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	2	10	7	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	2	5	3	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	6	4	791	34 561	594	1 211	20 666	56 790	60 792	120 428	D
322232	Envelope manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	—	9	5	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	'371	'109	'14 582	'503 728	'10 999	'19 684	'331 769	'1 176 753	'715 375	'1 888 625	'88 187
3231	Printing and related support activities .....	1	'371	'109	'14 582	'503 728	'10 999	'19 684	'331 769	'1 176 753	'715 375	'1 888 625	'88 187
32311	Printing .....	1	'326	'94	j	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	144	53	8 855	314 558	6 878	12 525	222 003	764 347	451 446	1 214 421	67 317
323112	Commercial flexographic printing .....	5	12	9	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	4	'57	'16	'2 414	'74 442	'1 814	'3 107	'43 681	'156 066	'119 117	'274 844	D
323114	Quick printing .....	3	64	6	526	14 097	351	573	8 363	24 206	8 971	33 174	D
323115	Digital printing .....	—	11	5	e	D	D	D	D	D	D	D	D
32312	Support activities for printing ..	2	45	15	f	D	D	D	D	D	D	D	D
323121	Tradebinding and related work .....	4	15	7	470	14 522	388	703	10 463	28 620	8 281	37 429	838
323122	Prepress services .....	1	30	8	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	137	59	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	2	21	10	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	3	8	6	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	3	8	6	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	8	3	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	—	8	3	e	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	—	9	5	262	11 667	118	241	3 459	29 507	26 360	53 748	1 964
3254	Pharmaceutical and medicine manufacturing .....	5	11	6	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	5	11	6	f	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) manufacturing ..	6	5	3	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	24	11	1 435	73 532	638	1 272	25 128	264 893	252 004	517 876	16 514
32551	Paint and coating manufacturing .....	—	15	8	1 252	63 257	532	1 101	20 826	235 222	212 977	448 483	15 938
325510	Paint and coating manufacturing .....	—	15	8	1 252	63 257	532	1 101	20 826	235 222	212 977	448 483	15 938
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	30	14	h	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	27	12	h	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	—	18	9	h	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing .....	3	34	10	508	22 215	267	541	9 230	94 940	68 742	164 840	2 691
32599	All other chemical product and preparation manufacturing ...	—	24	6	289	11 571	149	298	4 501	59 208	40 998	100 355	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
326	Plastics and rubber products manufacturing .....	2	126	69	6 956	246 874	5 158	10 356	152 329	542 564	569 934	1 109 745	65 298
3261	Plastics product manufacturing ..	2	115	60	i	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	5	13	7	f	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	9	6	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	2	88	44	4 695	160 855	3 493	6 911	96 646	334 560	402 474	735 448	45 716
326199	All other plastics product manufacturing .....	2	86	43	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	11	9	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	1	9	7	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	3	6	5	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	87	31	2 333	98 597	1 721	3 585	63 498	272 887	228 012	500 952	16 968
3272	Glass and glass product manufacturing .....	—	13	4	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	13	4	f	D	D	D	D	D	D	D	D
327213	Glass container manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	9	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	51	23	g	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing .....	—	20	8	e	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing .....	—	20	8	e	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing .....	2	12	9	e	D	D	D	D	D	D	D	2 019
327331	Concrete block and brick manufacturing .....	3	10	7	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing .....	—	17	6	f	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	—	17	6	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	79	54	'8 362	'305 288	'6 614	'13 799	'214 250	'786 492	'657 353	'1 420 091	D
3312	Steel product manufacturing from purchased steel .....	3	5	4	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	4	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	7	3	g	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	—	5	2	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	—	4	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	64	45	i	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	26	21	h	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	13	10	g	D	D	D	D	D	D	D	D
331512	Steel investment foundries ..	—	4	4	860	28 610	700	1 244	18 913	73 169	31 830	104 672	D
331513	Steel foundries (except investment) .....	—	9	7	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ...	—	38	24	3 234	114 834	2 696	5 867	86 637	256 611	172 802	429 526	D
331521	Aluminum die-casting foundries .....	—	13	8	g	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	—	9	7	g	D	D	D	D	D	D	D	D
331525	Copper foundries (except die-casting) .....	—	8	6	467	15 891	390	738	10 897	34 875	19 497	54 631	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing .....	1	'804	'281	'25 637	'1 026 749	'18 517	'36 939	'628 270	'2 313 197	'1 711 316	'4 071 282	'147 723
3321	Forging and stamping.....	1	62	41	3 541	148 127	2 543	4 953	94 244	317 441	259 794	579 356	30 266
33211	Forging and stamping.....	1	62	41	3 541	148 127	2 543	4 953	94 244	317 441	259 794	579 356	30 266
332111	Iron and steel forging .....	—	7	5	1 252	56 725	914	1 646	40 522	103 644	117 097	223 098	D
332116	Metal stamping .....	3	46	31	g	D	D	D	D	D	D	D	D
332117	Powder metallurgy part manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	—	20	7	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	—	20	7	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing .....	—	19	6	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	'109	'43	h	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	1	58	19	1 389	50 624	978	1 942	30 580	113 905	102 251	216 614	D
332312	Fabricated structural metal manufacturing .....	1	30	7	e	D	D	D	D	D	D	D	D
332313	Plate work manufacturing .....	1	26	10	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	—	'51	'24	g	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	1	10	5	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	—	'27	'15	'1 705	'65 198	'1 364	'2 743	'46 639	'119 531	'108 956	'228 951	'5 639
332323	Ornamental and architectural metal work manufacturing ..	—	14	4	283	11 946	140	269	4 863	27 857	38 001	72 255	1 170
3324	Boiler, tank, and shipping container manufacturing .....	—	'19	'10	g	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	—	'6	'3	'327	'14 025	'219	'463	'8 160	'23 967	'14 276	'38 728	D
332420	Metal tank (heavy gauge) manufacturing .....	—	'6	'3	'327	'14 025	'219	'463	'8 160	'23 967	'14 276	'38 728	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
332431	Metal can manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
33251	Hardware manufacturing .....	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
332510	Hardware manufacturing .....	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
3326	Spring and wire product manufacturing .....	3	23	10	693	26 381	536	915	17 390	53 652	30 886	84 825	18 042
33261	Spring and wire product manufacturing .....	3	23	10	693	26 381	536	915	17 390	53 652	30 886	84 825	18 042
332612	Spring (light gauge) manufacturing .....	—	4	3	351	14 140	269	367	9 680	29 574	10 973	40 762	D
332618	Other fabricated wire product manufacturing .....	6	19	7	342	12 241	267	548	7 710	24 078	19 913	44 063	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'353	'95	'8 067	'313 910	'5 861	'11 545	'193 682	'634 825	'524 665	'1 168 298	'41 446
33271	Machine shops .....	—	'286	'70	'6 231	'244 606	'4 413	'8 639	'145 767	'479 578	'416 449	'904 541	'33 035
332710	Machine shops .....	—	'286	'70	'6 231	'244 606	'4 413	'8 639	'145 767	'479 578	'416 449	'904 541	'33 035
33272	Turned product and screw, nut, and bolt manufacturing .....	2	67	25	1 836	69 304	1 448	2 906	47 915	155 247	108 216	263 757	8 411
332721	Precision turned product manufacturing .....	—	54	20	g	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	13	5	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	1	126	36	2 638	91 329	2 041	4 182	60 488	163 913	59 934	223 727	D
33281	Coating, engraving, heat treating, and allied activities ..	1	126	36	2 638	91 329	2 041	4 182	60 488	163 913	59 934	223 727	D
332811	Metal heat treating .....	1	26	9	461	19 037	355	757	13 406	45 492	9 616	55 049	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	40	13	897	28 452	704	1 387	18 728	49 718	22 368	71 904	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	60	14	1 280	43 840	982	2 038	28 354	68 703	27 950	96 774	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing .....	1	85	35	3 282	133 094	2 313	4 477	76 997	322 799	211 396	536 445	17 629
33291	Metal valve manufacturing ....	—	17	10	g	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	2	10	5	f	D	D	D	D	D	D	D	D
332919	Other metal valve and pipe fitting manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	1	68	25	g	D	D	D	D	D	D	D	D
332996	Fabricated pipe and pipe fitting manufacturing .....	2	13	5	482	17 080	355	711	10 394	46 813	30 157	76 660	1 498
332997	Industrial pattern manufacturing .....	—	21	5	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	—	28	12	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	'546	'205	'25 466	'1 189 534	'15 933	'28 721	'631 344	'2 464 135	'2 539 202	'5 147 210	'166 775
3331	Agriculture, construction, and mining machinery manufacturing .....	—	30	21	h	D	D	D	D	D	D	D	39 603
33311	Agricultural implement manufacturing .....	—	8	6	g	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	6	5	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	20	14	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	20	14	h	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	2	'72	'25	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	3	63	21	g	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	—	11	6	385	19 715	202	431	8 651	26 092	36 751	65 454	251
333293	Printing machinery and equipment manufacturing ..	—	14	5	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing .....	5	28	7	634	29 269	318	578	10 592	55 545	41 774	96 721	2 008
3333	Commercial and service industry machinery manufacturing .....	—	31	14	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	31	14	g	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	—	24	12	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	6	20	10	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	6	20	10	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	6	10	6	969	36 729	624	1 173	18 753	97 427	98 157	195 116	2 712
3335	Metalworking machinery manufacturing .....	2	240	69	5 374	243 112	3 969	7 919	160 372	418 454	211 916	628 405	30 362
33351	Metalworking machinery manufacturing .....	2	240	69	5 374	243 112	3 969	7 919	160 372	418 454	211 916	628 405	30 362
333511	Industrial mold manufacturing .....	—	64	18	1 515	77 146	1 189	2 395	57 849	138 683	48 038	185 060	13 502
333512	Machine tool (metal cutting types) manufacturing .....	1	15	10	527	23 595	375	725	14 342	39 767	29 231	66 103	2 577
333514	Special die and tool, die set, jig, and fixture manufacturing .....	4	109	25	g	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	1	41	10	986	41 097	614	1 246	20 104	59 577	57 971	119 395	4 767
333518	Other metalworking machinery manufacturing ..	7	8	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	37	22	6 287	311 236	4 415	7 028	175 794	521 935	601 220	1 267 328	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	37	22	6 287	311 236	4 415	7 028	175 794	521 935	601 220	1 267 328	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	12	6	g	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	—	16	11	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	9	5	h	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	3	116	44	4 061	181 584	2 038	4 062	70 952	367 019	318 156	672 805	17 520
33392	Material handling equipment manufacturing .....	2	29	15	g	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	3	8	4	e	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	1	9	5	f	D	D	D	D	D	D	D	1 093
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	2	10	5	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	3	74	26	2 513	109 744	1 292	2 569	44 750	255 930	181 381	434 243	9 585
333992	Welding and soldering equipment manufacturing ..	—	9	3	e	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing .....	6	14	8	f	D	D	D	D	D	D	D	4 200
333994	Industrial process furnace and oven manufacturing ...	—	9	5	384	18 436	182	387	8 650	29 605	25 286	56 034	538
333995	Fluid power cylinder and actuator manufacturing ....	1	9	3	280	9 587	182	330	5 744	18 022	11 012	28 578	456
333996	Fluid power pump and motor manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	137	67	i	D	D	D	D	D	D	D	57 452
3341	Computer and peripheral equipment manufacturing .....	1	10	6	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	1	10	6	f	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing .....	1	4	4	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	47	26	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	1	47	26	g	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing .....	6	3	2	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	3	13	6	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing .....	—	18	11	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	56	27	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	56	27	h	D	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	11	8	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	5	2	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	—	15	5	e	D	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing .....	—	9	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
335	Electrical equipment, appliance, and component manufacturing .....	-	'112	61	'17 138	'732 442	'9 517	'16 860	'307 217	'1 921 154	'1 938 400	'3 860 312	'68 803
3351	Electric lighting equipment manufacturing .....	3	13	8	g	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	3	13	8	g	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing .....	5	6	3	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	5	5	h	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	63	33	11 169	494 632	5 427	8 745	173 738	1 062 204	1 317 771	2 384 572	D
33531	Electrical equipment manufacturing .....	-	63	33	11 169	494 632	5 427	8 745	173 738	1 062 204	1 317 771	2 384 572	D
335311	Power, distribution, and specialty transformer manufacturing .....	-	4	4	1 477	81 093	957	2 019	47 730	188 756	148 162	337 524	4 977
335312	Motor and generator manufacturing .....	-	18	10	g	D	D	D	D	D	D	D	2 634
335313	Switchgear and switchboard apparatus manufacturing ...	-	9	4	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	-	32	15	i	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	-	'31	15	'1 882	'76 632	'1 240	'2 432	'39 270	'257 245	'195 516	'452 743	'6 222
33591	Battery manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	9	5	730	32 763	427	847	16 043	133 428	105 505	239 671	D
335931	Current-carrying wiring device manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	-	16	7	f	D	D	D	D	D	D	D	D
335991	Carbon and graphite product manufacturing .....	-	3	3	487	17 865	371	744	10 113	39 333	28 284	66 445	1 295
336	Transportation equipment manufacturing .....	-	'90	'39	'8 337	'409 353	'6 229	'12 565	'279 546	'1 754 552	'1 309 911	'3 126 272	'123 708
3362	Motor vehicle body and trailer manufacturing .....	-	'12	'4	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	-	'12	'4	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	-	'7	'3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	55	25	5 233	251 698	3 844	7 809	164 426	1 483 412	840 910	2 303 072	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	12	4	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	11	3	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	5	6	5	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping ..	5	6	5	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	-	21	11	h	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	-	20	11	h	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	6	3	g	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	6	3	g	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	1	156	27	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	2	114	11	g	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	2	77	4	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	2	77	4	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	1	37	7	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing .....	-	6	2		374	16 370	243	527	8 887	37 241	18 388	58 192
3372	Office furniture (including fixtures) manufacturing .....	1	38	16	g	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	1	38	16	g	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing .....	-	17	6		385	18 158	251	544	10 004	33 768	29 614	63 858
337215	Showcase, partition, shelving, and locker manufacturing .....	1	17	9	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	249	76	i	D	D	D	D	D	D	D	35 056
3391	Medical equipment and supplies manufacturing .....	3	91	26	g	D	D	D	D	D	D	D	13 803
33911	Medical equipment and supplies manufacturing .....	3	91	26	g	D	D	D	D	D	D	D	13 803
339111	Laboratory apparatus and furniture manufacturing ....	3	3	2	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	2	14	8	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing ....	5	16	7	f	D	D	D	D	D	D	D	D
339116	Dental laboratories .....	3	46	8	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	158	50	i	D	D	D	D	D	D	D	21 253
33992	Sporting and athletic goods manufacturing .....	-	20	7		661	20 648	470	841	10 680	69 484	65 995	135 625
339920	Sporting and athletic goods manufacturing .....	-	20	7		661	20 648	470	841	10 680	69 484	65 995	135 625
33993	Doll, toy, and game manufacturing .....	-	6	3		283	8 070	214	393	4 579	27 844	22 263	49 904
339932	Game, toy, and children's vehicle manufacturing .....	-	5	3	e	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing .....	3	6	3	f	D	D	D	D	D	D	D	D
339943	Marking device manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	-	60	17	g	D	D	D	D	D	D	D	D
339950	Sign manufacturing .....	-	60	17	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	-	58	18	g	D	D	D	D	D	D	D	9 750
339991	Gasket, packing, and sealing device manufacturing .....	-	9	4		454	18 795	362	774	13 457	24 198	20 434	44 497
339994	Broom, brush, and mop manufacturing .....	1	5	5		844	29 329	631	1 303	17 539	86 608	57 680	146 206
339999	All other miscellaneous manufacturing .....	-	37	9	f	D	D	D	D	D	D	D	D
<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	2 967	1 112		138 997	5 694 579	93 499	179 577	3 195 024	15 042 861	14 092 481	29 328 356
311	Food manufacturing .....	1	173	75		11 266	365 144	8 088	15 887	235 264	1 256 833	2 019 974	3 275 121
3113	Sugar and confectionery product manufacturing .....	-	16	5		811	25 083	483	948	13 368	81 766	139 732	219 644
31132	Chocolate and confectionery manufacturing from cacao beans .....	-	2	2	e	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	-	2	2	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	-	10	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	-	10	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
311	Food manufacturing—Con.												
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	10	8	1 162	40 470	956	1 965	29 581	131 634	160 241	292 031	7 446
31141	Frozen food manufacturing ....	—	3	3	699	25 561	572	1 210	18 265	81 637	91 789	173 479	4 540
311412	Frozen specialty food manufacturing .....	—	3	3	699	25 561	572	1 210	18 265	81 637	91 789	173 479	4 540
31142	Fruit and vegetable canning, pickling, and drying .....	—	7	5	463	14 909	384	755	11 316	49 997	68 452	118 552	2 906
311421	Fruit and vegetable canning ..	—	4	3	313	10 393	265	589	8 286	37 717	52 273	89 990	2 340
3115	Dairy product manufacturing .....	—	8	6	830	34 035	601	1 208	22 756	140 320	313 722	454 235	11 387
31151	Dairy product (except frozen) manufacturing .....	—	8	6	830	34 035	601	1 208	22 756	140 320	313 722	454 235	11 387
311513	Cheese manufacturing .....	2	3	3	e	D	D	D	D	D	D	D	4 246
311514	Dry, condensed, and evaporated dairy product manufacturing .....	—	3	2	289	10 764	199	457	6 397	71 988	123 402	194 548	D
3116	Animal slaughtering and processing .....	—	15	11	3 664	102 275	2 870	5 988	78 314	229 602	890 645	1 123 420	30 370
31161	Animal slaughtering and processing .....	—	15	11	3 664	102 275	2 870	5 988	78 314	229 602	890 645	1 123 420	30 370
311611	Animal (except poultry) slaughtering .....	—	9	7	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	6	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	6	72	19	1 663	49 022	926	1 647	24 255	121 600	75 583	197 371	8 109
31181	Bread and bakery product manufacturing .....	5	65	16	1 384	34 485	726	1 226	16 366	97 622	37 519	135 127	6 820
311811	Retail bakeries .....	4	47	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	5	16	7	755	25 870	381	768	11 420	80 035	30 237	110 253	5 585
31182	Cookie, cracker, and pasta manufacturing .....	9	6	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	2	44	22	2 792	98 438	2 033	3 661	58 041	500 361	339 913	836 622	24 974
31191	Snack food manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	—	12	5	623	25 395	449	950	15 720	126 203	126 949	252 704	13 613
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	—	5	2	311	12 091	243	535	8 644	86 808	68 859	155 703	D
311942	Spice and extract manufacturing .....	—	7	3	312	13 304	206	415	7 076	39 395	58 090	97 001	D
31199	All other food manufacturing ...	3	23	13	1 520	53 905	1 081	2 036	29 579	135 967	108 072	243 503	5 167
311991	Perishable prepared food manufacturing .....	2	7	5	366	9 337	289	547	6 386	18 551	22 882	41 400	780
311999	All other miscellaneous food manufacturing .....	3	16	8	1 154	44 568	792	1 489	23 193	117 416	85 190	202 103	4 387
312	Beverage and tobacco product manufacturing .....	9	9	3	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	9	9	3	g	D	D	D	D	D	D	D	D
31212	Breweries .....	9	4	1	g	D	D	D	D	D	D	D	D
312120	Breweries .....	9	4	1	g	D	D	D	D	D	D	D	D
313	Textile mills .....	3	12	5	508	16 784	385	768	10 232	25 629	25 555	51 103	D
3132	Fabric mills .....	4	6	3	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	3	37	6	457	10 590	359	691	6 975	22 562	27 581	49 397	1 246
3149	Other textile product mills .....	3	22	3	336	7 799	256	511	5 295	17 101	18 881	35 228	1 075
31499	All other textile product mills ...	2	15	2	277	6 212	207	417	4 388	14 674	16 435	30 355	1 021
314999	All other miscellaneous textile product mills .....	2	14	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	1	19	4	350	11 292	208	423	4 637	19 408	21 314	40 290	D
316	Leather and allied product manufacturing .....	—	13	9	1 038	33 410	808	1 646	19 142	75 178	95 313	171 411	D
3161	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing .....	—	6	6	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
316	Leather and allied product manufacturing—Con.												
3162	Footwear manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	56	13	1 060	30 493	728	1 431	17 906	64 419	46 326	110 465	2 883
3219	Other wood product manufacturing .....	1	48	12	873	24 114	577	1 163	13 702	50 210	33 969	83 914	2 099
32192	Wood container and pallet manufacturing .....	—	21	6	365	8 689	286	539	5 648	15 378	12 838	28 274	571
321920	Wood container and pallet manufacturing .....	—	21	6	365	8 689	286	539	5 648	15 378	12 838	28 274	571
32199	All other wood product manufacturing .....	1	11	4	394	12 133	224	481	5 977	26 164	12 751	38 694	1 029
321999	All other miscellaneous wood product manufacturing .....	—	9	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	48	33	3 730	152 036	2 644	5 416	89 681	344 372	440 808	790 740	18 385
3222	Converted paper product manufacturing .....	1	46	32	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	23	17	1 659	64 589	1 195	2 443	38 161	134 667	218 705	355 175	14 375
322211	Corrugated and solid fiber box manufacturing .....	—	18	14	1 321	51 392	924	1 853	29 079	103 178	196 670	300 617	12 222
322212	Folding paperboard box manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	2	8	6	752	32 598	449	989	17 552	83 066	90 782	174 245	1 673
322222	Coated and laminated paper manufacturing .....	2	4	3	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	—	6	4	791	34 561	594	1 211	20 666	56 790	60 792	120 428	D
322232	Envelope manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	—	9	5	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	'346	'101	'13 682	'474 807	'10 460	'18 668	'316 288	'1 123 524	'679 535	'1 799 377	'86 461
3231	Printing and related support activities .....	1	'346	'101	'13 682	'474 807	'10 460	'18 668	'316 288	'1 123 524	'679 535	'1 799 377	'86 461
32311	Printing .....	1	'302	'86	'12 698	'437 863	'9 695	'17 338	'291 874	'1 053 710	'661 775	'1 711 363	'83 261
323110	Commercial lithographic printing .....	—	133	49	8 324	298 757	6 596	11 996	212 985	734 503	433 524	1 166 751	66 787
323112	Commercial flexographic printing .....	5	11	9	1 077	38 357	703	1 184	19 183	101 261	86 363	185 629	6 409
323113	Commercial screen printing ..	'4	'51	'13	'2 100	'62 840	'1 599	'2 698	'38 257	'135 833	'102 743	'237 960	'5 185
323114	Quick printing .....	3	61	5	491	13 109	322	513	7 640	21 990	8 093	30 082	1 855
323115	Digital printing .....	—	10	5	294	10 184	182	362	4 395	25 506	9 747	35 237	1 652
32312	Support activities for printing ..	2	44	15	984	36 944	765	1 330	24 414	69 814	17 760	88 014	3 200
323121	Tradebinding and related work .....	4	15	7	470	14 522	388	703	10 463	28 620	8 281	37 429	838
323122	Prepress services .....	1	29	8	514	22 422	377	627	13 951	41 194	9 479	50 585	2 362
325	Chemical manufacturing .....	2	129	55	4 523	218 074	2 382	4 759	98 742	709 697	669 378	1 378 132	42 196
3251	Basic chemical manufacturing ...	4	19	9	817	39 686	464	935	28 242	87 801	134 108	221 166	8 857
32519	Other basic organic chemical manufacturing .....	7	7	5	606	27 880	319	639	21 296	33 113	82 111	112 406	2 131
325199	All other basic organic chemical manufacturing .....	7	7	5	606	27 880	319	639	21 296	33 113	82 111	112 406	2 131
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	7	3	262	14 743	150	295	7 555	36 719	55 262	89 196	1 109
32521	Resin and synthetic rubber manufacturing .....	—	7	3	262	14 743	150	295	7 555	36 719	55 262	89 196	1 109
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	—	9	5	262	11 667	118	241	3 459	29 507	26 360	53 748	1 964
3254	Pharmaceutical and medicine manufacturing .....	5	9	5	477	24 930	216	446	8 423	68 402	40 015	108 948	6 711
32541	Pharmaceutical and medicine manufacturing .....	5	9	5	477	24 930	216	446	8 423	68 402	40 015	108 948	6 711
325414	Biological product (except diagnostic) manufacturing ..	7	4	2	323	17 112	155	308	5 626	47 413	34 136	84 033	5 445

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing—Con.												
3255	Paint, coating, and adhesive manufacturing .....	—	24	11	1 435	73 532	638	1 272	25 128	264 893	252 004	517 876	16 514
32551	Paint and coating manufacturing .....	—	15	8	1 252	63 257	532	1 101	20 826	235 222	212 977	448 483	15 938
325510	Paint and coating manufacturing .....	—	15	8	1 252	63 257	532	1 101	20 826	235 222	212 977	448 483	15 938
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	2	27	12	762	31 301	529	1 029	16 705	127 435	92 887	222 358	4 350
32561	Soap and cleaning compound manufacturing .....	1	24	10	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	1	16	7	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing .....	3	34	10	508	22 215	267	541	9 230	94 940	68 742	164 840	2 691
32599	All other chemical product and preparation manufacturing ...	—	24	6	289	11 571	149	298	4 501	59 208	40 998	100 355	D
326	Plastics and rubber products manufacturing .....	2	111	59	6 241	220 935	4 593	9 156	134 214	472 425	515 571	985 043	59 104
3261	Plastics product manufacturing ..	2	103	52	5 600	197 189	4 165	8 203	121 611	419 331	479 840	897 443	56 324
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	5	11	7	752	30 216	573	1 088	22 088	72 128	67 903	139 890	4 516
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	9	5	2	311	11 978	239	501	8 229	32 714	46 239	78 953	2 665
32619	Other plastics product manufacturing .....	2	80	38	4 377	149 592	3 232	6 363	88 371	308 407	377 634	683 905	43 054
326199	All other plastics product manufacturing .....	2	78	37	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	8	7	641	23 746	428	953	12 603	53 094	35 731	87 600	2 780
32629	Other rubber product manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	2	4	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	77	26	1 703	69 504	1 228	2 536	42 887	180 049	162 625	340 573	10 995
3272	Glass and glass product manufacturing .....	—	12	3	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	12	3	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	9	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	43	19	1 086	45 044	801	1 706	29 412	119 438	92 075	210 776	8 674
32732	Ready-mix concrete manufacturing .....	1	17	6	321	14 505	282	574	12 012	37 913	36 353	74 226	5 771
327320	Ready-mix concrete manufacturing .....	1	17	6	321	14 505	282	574	12 012	37 913	36 353	74 226	5 771
32733	Concrete pipe, brick, and block manufacturing .....	2	9	8	e	D	D	D	D	D	D	D	1 970
327331	Concrete block and brick manufacturing .....	3	7	6	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing .....	1	15	5	346	12 782	257	567	8 648	28 407	23 638	52 326	D
327390	Other concrete product manufacturing .....	1	15	5	346	12 782	257	567	8 648	28 407	23 638	52 326	D
331	Primary metal manufacturing .....	—	'67	46	'7 515	'270 871	'5 911	'12 252	'189 093	'695 202	'576 302	'1 249 801	'57 924
3312	Steel product manufacturing from purchased steel .....	3	5	4	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	4	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>													
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing .....	—	'7	3	g	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	—	'5	2	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	—	'4	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	54	39	6 143	233 885	4 945	10 106	164 499	515 761	322 401	838 534	38 781
33151	Ferrous metal foundries .....	—	23	19	3 547	143 095	2 784	5 459	95 205	315 153	177 827	491 591	29 199
331511	Iron foundries .....	—	12	9	1 344	55 640	1 094	2 318	41 073	124 739	82 891	206 015	D
331512	Steel investment foundries ..	—	4	4	860	28 610	700	1 244	18 913	73 169	31 830	104 672	D
331513	Steel foundries (except investment) .....	—	7	6	1 343	58 845	990	1 897	35 219	117 245	63 106	180 904	4 873
33152	Nonferrous metal foundries ...	—	31	20	2 596	90 790	2 161	4 647	69 294	200 608	144 574	346 943	9 582
331521	Aluminum die-casting foundries .....	—	10	6	1 078	39 152	876	1 914	32 381	83 010	69 283	154 061	D
331524	Aluminum foundries (except die-casting) .....	—	6	5	929	30 155	791	1 790	21 574	69 141	48 029	117 190	1 456
331525	Copper foundries (except die-casting) .....	—	8	6	467	15 891	390	738	10 897	34 875	19 497	54 631	D
332	Fabricated metal product manufacturing .....	—	713	252	'23 609	'952 895	'17 083	'34 224	'580 006	'2 167 337	'1 639 175	'3 852 376	'142 529
3321	Forging and stamping .....	1	55	38	3 432	143 241	2 459	4 787	90 816	306 955	255 042	564 173	30 072
33211	Forging and stamping .....	1	55	38	3 432	143 241	2 459	4 787	90 816	306 955	255 042	564 173	30 072
332111	Iron and steel forging .....	—	7	5	1 252	56 725	914	1 646	40 522	103 644	117 097	223 098	D
332116	Metal stamping .....	3	40	28	1 672	65 849	1 249	2 491	39 076	156 424	111 585	267 222	9 890
332117	Powder metallurgy part manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	—	17	6	760	27 810	615	1 453	20 551	99 229	37 711	138 906	3 719
33221	Cutlery and handtool manufacturing .....	—	17	6	760	27 810	615	1 453	20 551	99 229	37 711	138 906	3 719
332212	Hand and edge tool manufacturing .....	—	16	5	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	'102	'43	'3 782	'143 241	'2 719	'5 451	'88 396	'298 049	'287 961	'593 238	'11 393
33231	Plate work and fabricated structural product manufacturing .....	1	52	19	1 361	49 443	959	1 904	29 965	111 584	100 310	212 358	3 595
332312	Fabricated structural metal manufacturing .....	1	26	7	e	D	D	D	D	D	D	D	D
332313	Plate work manufacturing ...	1	24	10	794	26 349	595	1 164	17 002	46 267	40 843	88 508	1 647
33232	Ornamental and architectural metal products manufacturing .....	—	'50	'24	'2 421	'93 798	'1 760	'3 547	'58 431	'186 465	'187 651	'380 880	'7 798
332321	Metal window and door manufacturing .....	1	9	5	433	16 654	256	535	6 929	39 077	40 694	79 674	989
332322	Sheet metal work manufacturing .....	—	'27	'15	'1 705	'65 198	'1 364	'2 743	'46 639	'119 531	'108 956	'228 951	'5 639
332323	Ornamental and architectural metal work manufacturing ..	—	14	4	283	11 946	140	269	4 863	27 857	38 001	72 255	1 170
3324	Boiler, tank, and shipping container manufacturing .....	—	18	9	995	43 904	751	1 611	29 827	114 072	117 670	237 822	8 069
33242	Metal tank (heavy gauge) manufacturing .....	—	6	3	327	14 025	219	463	8 160	23 967	14 276	38 728	D
332420	Metal tank (heavy gauge) manufacturing .....	—	6	3	327	14 025	219	463	8 160	23 967	14 276	38 728	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ...	—	3	3	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
33251	Hardware manufacturing .....	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
332510	Hardware manufacturing ...	—	7	4	1 545	85 204	899	1 796	38 486	281 509	165 083	464 142	10 323
3326	Spring and wire product manufacturing .....	3	18	8	626	23 415	488	817	15 660	48 316	27 037	75 691	17 932
33261	Spring and wire product manufacturing .....	3	18	8	626	23 415	488	817	15 660	48 316	27 037	75 691	17 932
332612	Spring (light gauge) manufacturing .....	—	4	3	351	14 140	269	367	9 680	29 574	10 973	40 762	D
332618	Other fabricated wire product manufacturing .....	6	14	5	275	9 275	219	450	5 980	18 742	16 064	34 929	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	'306	'83	'7 094	'280 416	'5 226	'10 420	'173 680	'567 217	'491 132	'1 067 431	'38 812
33271	Machine shops .....	—	'248	'61	'5 383	'216 028	'3 877	'7 714	'129 145	'419 684	'388 052	'816 644	'30 752
332710	Machine shops .....	—	'248	'61	'5 383	'216 028	'3 877	'7 714	'129 145	'419 684	'388 052	'816 644	'30 752
33272	Turned product and screw, nut, and bolt manufacturing .....	2	58	22	1 711	64 388	1 349	2 706	44 535	147 533	103 080	250 787	8 060
332721	Precision turned product manufacturing .....	—	46	17	1 396	53 519	1 111	2 205	37 710	107 728	65 845	172 904	6 148
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	12	5	315	10 869	238	501	6 825	39 805	37 235	77 883	1 912
3328	Coating, engraving, heat treating, and allied activities .....	1	114	31	2 412	82 666	1 858	3 799	53 592	148 046	55 109	202 994	5 105
33281	Coating, engraving, heat treating, and allied activities ..	1	114	31	2 412	82 666	1 858	3 799	53 592	148 046	55 109	202 994	5 105
332811	Metal heat treating .....	1	21	7	372	14 771	277	586	9 801	38 004	7 804	45 725	2 684
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	36	11	822	25 747	645	1 270	16 737	44 978	20 210	65 001	696
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	57	13	1 218	42 148	936	1 943	27 054	65 064	27 095	92 268	1 725
3329	Other fabricated metal product manufacturing .....	—	76	30	2 963	122 998	2 068	4 090	68 998	303 944	202 430	507 979	17 104
33291	Metal valve manufacturing ....	—	15	8	1 410	67 230	843	1 642	30 954	184 235	125 515	311 629	7 759
332911	Industrial valve manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	1	8	3	674	34 515	406	844	17 033	72 606	55 709	128 646	2 858
332919	Other metal valve and pipe fitting manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	1	61	22	1 553	55 768	1 225	2 448	38 044	119 709	76 915	196 350	9 345
332996	Fabricated pipe and pipe fitting manufacturing .....	2	13	5	482	17 080	355	711	10 394	46 813	30 157	76 660	1 498
332997	Industrial pattern manufacturing .....	—	19	4	327	12 289	284	537	9 907	20 476	4 987	25 364	2 935
332999	All other miscellaneous fabricated metal product manufacturing .....	1	24	10	522	19 077	423	813	12 692	31 330	34 440	65 410	4 457
333	Machinery manufacturing .....	1	'484	'184	'22 924	'1 070 643	'14 333	'25 788	'568 608	'2 113 190	'1 951 573	'4 204 016	'119 615
3331	Agriculture, construction, and mining machinery manufacturing .....	—	24	17	4 512	228 215	2 286	3 945	107 478	615 534	699 895	1 326 640	36 576
33311	Agricultural implement manufacturing .....	—	6	4	g	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	16	12	3 278	175 388	1 544	2 520	81 226	471 890	517 802	1 013 749	24 018
333120	Construction machinery manufacturing .....	—	16	12	3 278	175 388	1 544	2 520	81 226	471 890	517 802	1 013 749	24 018
3332	Industrial machinery manufacturing .....	'3	'71	'24	'2 173	'101 675	'1 361	'2 254	'54 082	'178 690	'140 058	'318 041	'6 931
33329	Other industrial machinery manufacturing .....	3	62	20	1 927	92 738	1 188	1 977	49 480	139 840	132 799	275 766	5 381
333291	Paper industry machinery manufacturing .....	—	11	6	385	19 715	202	431	8 651	26 092	36 751	65 454	251
333293	Printing machinery and equipment manufacturing ..	—	13	4	709	33 307	557	744	25 683	34 637	35 139	70 659	2 501
333298	All other industrial machinery manufacturing .....	5	28	7	634	29 269	318	578	10 592	55 545	41 774	96 721	2 008
3333	Commercial and service industry machinery manufacturing .....	1	25	11	1 228	45 641	668	1 269	21 129	133 861	92 134	226 719	4 834
33331	Commercial and service industry machinery manufacturing .....	1	25	11	1 228	45 641	668	1 269	21 129	133 861	92 134	226 719	4 834
333319	Other commercial and service industry machinery manufacturing .....	—	18	9	1 104	42 230	569	1 174	18 862	124 724	84 248	209 744	4 567

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	6	19	10	1 153	43 415	750	1 434	22 316	113 100	112 414	224 798	3 031
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	6	19	10	1 153	43 415	750	1 434	22 316	113 100	112 414	224 798	3 031
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	6	10	6	969	36 729	624	1 173	18 753	97 427	98 157	195 116	2 712
3335	Metalworking machinery manufacturing .....	2	211	65	5 009	228 755	3 705	7 382	150 779	396 594	201 230	595 561	28 674
33351	Metalworking machinery manufacturing .....	2	211	65	5 009	228 755	3 705	7 382	150 779	396 594	201 230	595 561	28 674
333511	Industrial mold manufacturing .....	—	57	17	1 342	70 596	1 048	2 104	53 055	128 019	43 774	170 124	12 547
333512	Machine tool (metal cutting types) manufacturing .....	1	15	10	527	23 595	375	725	14 342	39 767	29 231	66 103	2 577
333514	Special die and tool, die set, jig, and fixture manufacturing .....	4	92	23	1 890	83 919	1 452	2 858	58 352	146 516	56 298	202 140	8 524
333515	Cutting tool and machine tool accessory manufacturing .....	1	37	9	916	38 449	578	1 178	18 949	57 036	55 135	113 810	4 298
333518	Other metalworking machinery manufacturing ..	7	7	3	261	8 741	209	424	4 369	16 311	11 806	29 390	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	30	19	5 237	260 723	3 730	5 856	149 370	369 657	419 727	934 295	22 689
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	30	19	5 237	260 723	3 730	5 856	149 370	369 657	419 727	934 295	22 689
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	10	5	1 333	60 215	836	1 653	33 995	107 936	68 489	181 929	3 392
333613	Mechanical power transmission equipment manufacturing .....	—	13	10	1 120	48 177	817	1 574	31 145	114 129	66 248	179 460	6 824
333618	Other engine equipment manufacturing .....	—	7	4	2 784	152 331	2 077	2 629	84 230	147 592	284 990	572 906	12 473
3339	Other general purpose machinery manufacturing .....	3	104	38	3 612	162 219	1 833	3 648	63 454	305 754	286 115	577 962	16 880
33392	Material handling equipment manufacturing .....	2	27	14	1 288	60 248	616	1 229	21 665	83 454	106 084	181 083	6 907
333922	Conveyor and conveying equipment manufacturing ..	3	7	3	343	16 758	170	337	7 059	37 831	26 902	66 282	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	1	9	5	f	D	D	D	D	D	D	D	1 093
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	2	9	5	378	14 540	208	450	5 689	28 672	39 180	70 081	4 930
33399	All other general purpose machinery manufacturing ....	3	65	21	2 117	92 544	1 118	2 217	38 306	199 082	154 122	348 456	9 092
333993	Packaging machinery manufacturing .....	5	11	6	483	23 309	239	418	7 329	84 688	50 534	134 367	3 929
333994	Industrial process furnace and oven manufacturing ...	—	9	5	384	18 436	182	387	8 650	29 605	25 286	56 034	538
333995	Fluid power cylinder and actuator manufacturing ....	1	9	3	280	9 587	182	330	5 744	18 022	11 012	28 578	456
333996	Fluid power pump and motor manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	126	62	7 800	379 516	4 188	8 017	158 577	1 297 341	1 340 322	2 607 922	54 420
3341	Computer and peripheral equipment manufacturing .....	1	9	5	552	26 063	275	585	9 073	53 848	138 511	190 496	D
33411	Computer and peripheral equipment manufacturing ....	1	9	5	552	26 063	275	585	9 073	53 848	138 511	190 496	D
334111	Electronic computer manufacturing .....	1	3	3	299	15 678	133	280	4 230	34 722	122 360	156 638	638

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing .....	1	43	24	2 248	80 981	1 352	2 493	34 359	324 634	129 469	456 275	10 712
33441	Semiconductor and other electronic component manufacturing .....	1	43	24	2 248	80 981	1 352	2 493	34 359	324 634	129 469	456 275	10 712
334413	Semiconductor and related device manufacturing .....	6	3	2	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	3	11	5	521	17 156	317	610	7 705	32 502	47 516	80 094	2 034
334419	Other electronic component manufacturing .....	—	17	10	893	32 499	559	990	15 014	227 330	49 004	277 676	7 496
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	50	25	4 511	253 052	2 330	4 480	109 519	854 752	1 031 524	1 851 482	31 873
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	50	25	4 511	253 052	2 330	4 480	109 519	854 752	1 031 524	1 851 482	31 873
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	11	8	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	5	2	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	—	11	4	344	14 692	189	340	5 688	26 984	20 711	47 497	908
334514	Totalizing fluid meter and counting device manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing .....	—	8	3	282	8 663	207	420	4 506	33 877	21 639	55 732	D
335	Electrical equipment, appliance, and component manufacturing .....	—	94	50	14 514	633 488	7 658	13 105	250 444	1 553 949	1 729 520	3 282 716	57 188
3351	Electric lighting equipment manufacturing .....	5	10	5	709	26 738	449	894	13 343	84 258	60 938	145 659	1 842
33512	Lighting fixture manufacturing ..	5	10	5	709	26 738	449	894	13 343	84 258	60 938	145 659	1 842
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing .....	9	4	1	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	3	3	1 544	62 995	1 076	2 027	37 933	224 197	206 955	426 432	3 450
33521	Small electrical appliance manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	50	27	10 379	467 123	4 893	7 752	159 898	988 249	1 266 111	2 257 882	45 674
33531	Electrical equipment manufacturing .....	—	50	27	10 379	467 123	4 893	7 752	159 898	988 249	1 266 111	2 257 882	45 674
335311	Power, distribution, and specialty transformer manufacturing .....	—	4	4	1 477	81 093	957	2 019	47 730	188 756	148 162	337 524	4 977
335312	Motor and generator manufacturing .....	—	11	6	g	D	D	D	D	D	D	D	2 221
335313	Switchgear and switchboard apparatus manufacturing ...	—	8	3	f	D	D	D	D	D	D	D	1 005
335314	Relay and industrial control manufacturing .....	—	27	14	7 016	307 672	2 809	3 510	75 897	539 669	961 724	1 511 235	37 471
3359	Other electrical equipment and component manufacturing .....	—	31	15	1 882	76 632	1 240	2 432	39 270	257 245	195 516	452 743	6 222
33591	Battery manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	—	9	5	730	32 763	427	847	16 043	133 428	105 505	239 671	D
335931	Current-carrying wiring device manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing—Con.												
33599	All other electrical equipment and component manufacturing .....	—	16	7	f	D	D	D	D	D	D	D	D
335991	Carbon and graphite product manufacturing .....	—	3	3	487	17 865	371	744	10 113	39 333	28 284	66 445	1 295
336	Transportation equipment manufacturing .....	—	77	30	7 546	380 296	5 663	11 460	261 582	1 687 483	1 251 433	3 001 671	122 206
3362	Motor vehicle body and trailer manufacturing .....	—	10	2	303	9 575	224	349	6 538	23 146	33 174	56 044	494
33621	Motor vehicle body and trailer manufacturing .....	—	10	2	303	9 575	224	349	6 538	23 146	33 174	56 044	494
3363	Motor vehicle parts manufacturing .....	—	50	21	4 928	238 317	3 622	7 326	155 924	1 456 374	821 446	2 257 213	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	11	3	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	—	10	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	5	5	4	439	11 243	342	665	7 140	38 729	30 525	68 921	D
336370	Motor vehicle metal stamping ..	5	5	4	439	11 243	342	665	7 140	38 729	30 525	68 921	D
33639	Other motor vehicle parts manufacturing .....	—	19	10	2 576	127 606	2 156	4 439	101 601	1 021 161	497 827	1 512 027	18 900
336399	All other motor vehicle parts manufacturing .....	—	18	10	h	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	4	2	g	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	4	2	g	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	141	25	2 083	76 906	1 401	2 816	43 821	154 310	107 754	265 044	7 161
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	103	11	1 164	39 948	846	1 718	24 921	83 028	49 636	135 468	D
33711	Wood kitchen cabinet and countertop manufacturing ....	2	67	4	526	17 069	384	769	10 948	31 582	20 961	52 647	D
337110	Wood kitchen cabinet and countertop manufacturing ..	2	67	4	526	17 069	384	769	10 948	31 582	20 961	52 647	D
33712	Household and institutional furniture manufacturing .....	1	36	7	638	22 879	462	949	13 973	51 446	28 675	82 821	2 901
337127	Institutional furniture manufacturing .....	—	6	2	374	16 370	243	527	8 887	37 241	18 388	58 192	D
3372	Office furniture (including fixtures) manufacturing .....	1	34	14	880	35 731	530	1 069	18 278	68 089	55 991	124 261	3 179
33721	Office furniture (including fixtures) manufacturing .....	1	34	14	880	35 731	530	1 069	18 278	68 089	55 991	124 261	3 179
337212	Custom architectural woodwork and millwork manufacturing .....	—	17	6	385	18 158	251	544	10 004	33 768	29 614	63 858	1 006
337215	Showcase, partition, shelving, and locker manufacturing .....	2	14	7	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	230	70	6 892	255 507	4 267	8 361	121 080	692 955	463 305	1 157 299	31 150
3391	Medical equipment and supplies manufacturing .....	3	83	22	1 950	72 572	1 178	2 218	33 380	258 489	94 531	350 949	10 100
33911	Medical equipment and supplies manufacturing .....	3	83	22	1 950	72 572	1 178	2 218	33 380	258 489	94 531	350 949	10 100
339112	Surgical and medical instrument manufacturing ..	—	11	6	433	21 572	164	337	5 907	105 922	32 177	136 961	4 401
339113	Surgical appliance and supplies manufacturing ....	5	15	7	928	32 608	618	1 128	15 760	107 243	49 891	156 295	4 489
339116	Dental laboratories .....	2	44	7	434	12 061	301	574	9 025	27 150	5 808	32 861	496

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area—Con.</b>												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing .....	—	'147	'48	'4 942	'182 935	'3 089	'6 143	'87 700	'434 466	'368 774	'806 350	'21 050
33992	Sporting and athletic goods manufacturing .....	—	20	7	661	20 648	470	841	10 680	69 484	65 995	135 625	1 933
339920	Sporting and athletic goods manufacturing .....	—	20	7	661	20 648	470	841	10 680	69 484	65 995	135 625	1 933
33993	Doll, toy, and game manufacturing .....	—	6	3	283	8 070	214	393	4 579	27 844	22 263	49 904	D
339932	Game, toy, and children's vehicle manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing .....	3	6	3	f	D	D	D	D	D	D	D	D
339943	Marking device manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	—	'57	'17	'1 571	'70 737	'818	'1 664	'24 902	'130 057	'141 433	'270 344	'7 634
339950	Sign manufacturing .....	—	'57	'17	'1 571	'70 737	'818	'1 664	'24 902	'130 057	'141 433	'270 344	'7 634
33999	All other miscellaneous manufacturing .....	—	52	16	1 845	67 434	1 355	2 763	41 090	164 809	118 279	284 754	9 587
339991	Gasket, packing, and sealing device manufacturing .....	—	9	4	454	18 795	362	774	13 457	24 198	20 434	44 497	1 908
339994	Broom, brush, and mop manufacturing .....	1	5	5	844	29 329	631	1 303	17 539	86 608	57 680	146 206	2 528
339999	All other miscellaneous manufacturing .....	—	32	7	538	19 076	353	672	9 915	53 112	39 859	92 852	5 135
	<b>Racine, WI Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	—	341	132	16 405	694 352	11 026	22 041	389 846	3 836 814	2 624 044	6 453 584	144 953
311	Food manufacturing .....	—	16	7	1 156	33 922	921	1 810	23 449	193 093	259 602	452 345	18 331
3113	Sugar and confectionery product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
31132	Chocolate and confectionery manufacturing from cacao beans .....	—	1	1	f	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	—	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	9	2	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	9	2	1	e	D	D	D	D	D	D	D	D
311615	Poultry processing .....	9	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	4	6	4	438	18 245	308	618	9 638	50 167	77 960	128 500	4 814
3222	Converted paper product manufacturing .....	4	6	4	438	18 245	308	618	9 638	50 167	77 960	128 500	4 814
32221	Paperboard container manufacturing .....	5	4	3	e	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	5	4	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	4	25	8	900	28 921	539	1 016	15 481	53 229	35 840	89 248	1 726
3231	Printing and related support activities .....	4	25	8	900	28 921	539	1 016	15 481	53 229	35 840	89 248	1 726
32311	Printing .....	4	24	8	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	2	11	4	531	15 801	282	529	9 018	29 844	17 922	47 670	530
323113	Commercial screen printing .....	6	6	3	314	11 602	215	409	5 424	20 233	16 374	36 884	D
325	Chemical manufacturing .....	—	8	4	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Racine, WI Metropolitan Statistical Area—Con.</b>													
326	Plastics and rubber products manufacturing .....	1	15	10	715	25 939	565	1 200	18 115	70 139	54 363	124 702	6 194
3261	Plastics product manufacturing ..	1	12	8	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	8	6	318	11 263	261	548	8 275	26 153	24 840	51 543	2 662
326199	All other plastics product manufacturing .....	1	8	6	318	11 263	261	548	8 275	26 153	24 840	51 543	2 662
327	Nonmetallic mineral product manufacturing .....	—	10	5	630	29 093	493	1 049	20 611	92 838	65 387	160 379	5 973
3272	Glass and glass product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
327213	Glass container manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	—	8	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	1	12	8	847	34 417	703	1 547	25 157	91 290	81 051	170 290	D
3315	Foundries .....	—	10	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	7	4	638	24 044	535	1 220	17 343	56 003	28 228	82 583	D
331521	Aluminum die-casting foundries .....	—	3	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	'91	'29	'2 028	'73 854	'1 434	'2 715	'48 264	'145 860	'72 141	'218 906	'5 194
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	47	12	973	33 494	635	1 125	20 002	67 608	33 533	100 867	2 634
33271	Machine shops .....	2	38	9	848	28 578	536	925	16 622	59 894	28 397	87 897	2 283
332710	Machine shops .....	2	38	9	848	28 578	536	925	16 622	59 894	28 397	87 897	2 283
3329	Other fabricated metal product manufacturing .....	3	9	5	319	10 096	245	387	7 999	18 855	8 966	28 466	525
33299	All other fabricated metal product manufacturing .....	—	7	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	62	21	2 542	118 891	1 600	2 933	62 736	350 945	587 629	943 194	47 160
3331	Agriculture, construction, and mining machinery manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	3 027
33312	Construction machinery manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	29	4	365	14 357	264	537	9 593	21 860	10 686	32 844	1 688
33351	Metalworking machinery manufacturing .....	2	29	4	365	14 357	264	537	9 593	21 860	10 686	32 844	1 688
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	7	3	1 050	50 513	685	1 172	26 424	152 278	181 493	333 033	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	7	3	1 050	50 513	685	1 172	26 424	152 278	181 493	333 033	D
333613	Mechanical power transmission equipment manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	12	6	449	19 365	205	414	7 498	61 265	32 041	94 843	640
33399	All other general purpose machinery manufacturing ....	1	9	5	396	17 200	174	352	6 444	56 848	27 259	85 787	493
334	Computer and electronic product manufacturing .....	—	11	5	e	D	D	D	D	D	D	D	3 032

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Racine, WI Metropolitan Statistical Area—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing .....	—	18	11	2 624	98 954	1 859	3 755	56 773	367 205	208 880	577 596	11 615
3351	Electric lighting equipment manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	3	3	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	2	13	6	790	27 509	534	993	13 840	73 955	51 660	126 690	D
33531	Electrical equipment manufacturing .....	2	13	6	790	27 509	534	993	13 840	73 955	51 660	126 690	D
335312	Motor and generator manufacturing .....	—	7	4	541	16 005	444	872	11 479	53 894	37 118	91 575	413
336	Transportation equipment manufacturing .....	—	'13	'9	'791	'29 057	'566	'1 105	'17 964	'67 069	'58 478	'124 601	'1 502
3362	Motor vehicle body and trailer manufacturing .....	—	'2	'2	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	'2	'2	e	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	'2	'2	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	5	4	305	13 381	222	483	8 502	27 038	19 464	45 859	692
339	Miscellaneous manufacturing .....	4	19	6	f	D	D	D	D	D	D	D	3 906
3391	Medical equipment and supplies manufacturing .....	4	8	4	f	D	D	D	D	D	D	D	3 703
33911	Medical equipment and supplies manufacturing .....	4	8	4	f	D	D	D	D	D	D	D	3 703
<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	'5 768	'1 938	'242 768	'10 308 391	'155 419	'306 634	'5 389 262	'27 169 001	'25 369 106	'52 672 600	'1 671 233
311	Food manufacturing .....	1	397	159	21 069	713 887	14 909	30 352	453 727	2 731 388	3 669 616	6 375 411	142 982
3111	Animal food manufacturing .....	4	33	15	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	4	33	15	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	5	30	14	f	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling .....	1	21	15	g	D	D	D	D	D	D	D	D
31121	Flour milling and malt manufacturing .....	2	12	10	f	D	D	D	D	D	D	D	D
311211	Flour milling .....	—	9	8	e	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	—	24	4	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	1	12	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	1	12	2	e	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	—	10	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	10	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	3	23	18	h	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	4	9	9	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	4	8	8	1 299	43 866	803	1 452	19 194	131 407	98 291	229 698	D
31142	Fruit and vegetable canning, pickling, and drying .....	2	14	9	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	3	7	5	f	D	D	D	D	D	D	D	D
311422	Specialty canning .....	—	4	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
311	Food manufacturing—Con.												
3115	Dairy product manufacturing . . . . .	—	37	22	h	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing . . . . .	—	35	21	h	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing . . . . .	—	17	9	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing . . . . .	—	15	9	g	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing . . . . .	1	48	16	h	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing . . . . .	1	48	16	h	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering . . . . .	1	28	5	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses . . . . .	3	10	4	f	D	D	D	D	D	D	D	D
311615	Poultry processing . . . . .	—	5	3	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing . . . . .	1	138	45	h	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing . . . . .	1	122	40	h	D	D	D	D	D	D	D	D
311811	Retail bakeries . . . . .	4	77	17	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries . . . . .	1	36	16	g	D	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing . . . . .	—	9	7	1 301	45 941	1 058	2 234	35 771	195 633	134 027	330 540	6 985
3119	Other food manufacturing . . . . .	—	72	24	h	D	D	D	D	D	D	D	D
31191	Snack food manufacturing . . . . .	—	6	3	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing . . . . .	—	3	2	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing . . . . .	—	52	20	h	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing . . . . .	—	17	8	551	16 664	429	815	12 322	56 503	41 612	97 896	2 423
311999	All other miscellaneous food manufacturing . . . . .	—	35	12	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing . . . . .	—	17	7	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing . . . . .	—	17	7	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing . . . . .	—	8	4	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
313	Textile mills . . . . .	4	22	6	e	D	D	D	D	D	D	D	D
3132	Fabric mills . . . . .	3	6	4	e	D	D	D	D	D	D	D	D
314	Textile product mills . . . . .	1	92	12	g	D	D	D	D	D	D	D	D
3141	Textile furnishings mills . . . . .	2	30	2	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills . . . . .	2	28	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills . . . . .	1	62	10	f	D	D	D	D	D	D	D	D
31491	Textile bag and canvas mills . . . . .	2	22	4	e	D	D	D	D	D	D	D	D
31499	All other textile product mills . . . . .	1	40	6	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills . . . . .	1	38	6	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing . . . . .	2	89	6	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing . . . . .	2	74	4	f	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing . . . . .	—	16	4	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing . . . . .	—	4	3	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing . . . . .	—	4	3	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing . . . . .	—	4	3	e	D	D	D	D	D	D	D	D
3162	Footwear manufacturing . . . . .	—	3	1	g	D	D	D	D	D	D	D	D
31621	Footwear manufacturing . . . . .	—	3	1	g	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing . . . . .	—	2	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
321	Wood product manufacturing . . . . .	—	178	51	i	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing . . . . .	—	15	10	g	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	—	15	10	g	D	D	D	D	D	D	D	D
321214	Truss manufacturing . . . . .	—	10	8	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing . . . . .	—	145	39	i	D	D	D	D	D	D	D	D
32191	Millwork . . . . .	—	67	23	i	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing . . . . .	—	29	12	i	D	D	D	D	D	D	D	D
321912	Cut stock, resawing lumber, and planing . . . . .	—	8	4	e	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring) . . . . .	2	30	7	e	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing . . . . .	1	39	7	e	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing . . . . .	1	39	7	e	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing . . . . .	1	39	9	f	D	D	D	D	D	D	D	D
321992	Prefabricated wood building manufacturing . . . . .	—	8	2	e	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing . . . . .	1	29	7	e	D	D	D	D	D	D	D	D
322	Paper manufacturing . . . . .	—	105	68	j	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills . . . . .	—	5	4	f	D	D	D	D	D	D	D	D
32212	Paper mills . . . . .	—	2	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills . . . . .	—	2	1	f	D	D	D	D	D	D	D	D
32213	Paperboard mills . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing . . . . .	—	100	64	j	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing . . . . .	—	51	37	h	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing . . . . .	—	34	27	h	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing . . . . .	—	12	10	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing . . . . .	—	22	13	h	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing . . . . .	—	12	8	h	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing . . . . .	2	19	11	1 831	67 378	1 325	2 837	41 143	116 033	113 853	232 294	D
322231	Die-cut paper and paperboard office supplies manufacturing . . . . .	—	6	3	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing . . . . .	4	11	7	761	26 440	603	1 234	20 807	49 858	51 202	101 422	2 377
323	Printing and related support activities . . . . .	1	720	205	j	D	D	D	D	D	D	D	D
3231	Printing and related support activities . . . . .	1	720	205	j	D	D	D	D	D	D	D	D
32311	Printing . . . . .	1	643	180	j	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing . . . . .	1	292	103	j	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing . . . . .	—	26	16	1 077	43 741	627	1 261	22 798	99 180	88 663	189 038	D
323113	Commercial screen printing . . . . .	1	82	18	g	D	D	D	D	D	D	D	D
323114	Quick printing . . . . .	2	135	7	f	D	D	D	D	D	D	D	D
323115	Digital printing . . . . .	—	30	4	e	D	D	D	D	D	D	D	D
323116	Manifold business forms printing . . . . .	1	14	11	954	30 873	721	1 471	20 645	84 276	43 123	128 566	1 785
323118	Blankbook, looseleaf binders, and devices manufacturing . . . . .	—	6	4	f	D	D	D	D	D	D	D	D
323119	Other commercial printing . . . . .	2	46	13	g	D	D	D	D	D	D	D	D
32312	Support activities for printing . . . . .	2	77	25	1 556	69 000	1 131	2 300	44 191	134 889	29 439	162 813	4 708
323121	Tradebinding and related work . . . . .	2	36	11	f	D	D	D	D	D	D	D	D
323122	Prepress services . . . . .	1	41	14	f	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing . . . . .	—	21	11	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
324	Petroleum and coal products manufacturing—Con.												
3241	Petroleum and coal products manufacturing .....	—	21	11	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	2	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	2	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	—	15	8	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing ...	—	6	4	520	26 270	341	760	16 410	81 257	140 923	215 125	37 140
325	Chemical manufacturing .....	1	182	70	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	5	15	7	345	17 417	157	332	6 467	46 683	57 477	104 422	3 335
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	10	3	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	—	10	3	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	—	10	3	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	2	29	10	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	2	29	10	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	—	10	5	f	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance manufacturing .....	6	6	3	292	15 556	133	252	6 236	58 821	62 491	125 106	3 138
3255	Paint, coating, and adhesive manufacturing .....	5	24	13	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	6	16	8	e	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing .....	6	16	8	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	1	53	15	g	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	2	35	8	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing .....	—	14	4	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	—	18	7	996	42 655	590	1 135	19 528	226 754	145 891	366 192	5 537
325620	Toilet preparation manufacturing .....	—	18	7	996	42 655	590	1 135	19 528	226 754	145 891	366 192	5 537
3259	Other chemical product and preparation manufacturing .....	—	43	20	g	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing .....	2	11	7	e	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing .....	2	11	7	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ...	—	30	12	g	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	—	21	9	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	2	290	142	j	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	2	256	129	j	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	29	17	g	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	4	6	3	289	14 312	184	376	8 185	27 452	29 853	57 234	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	16	10	g	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	—	17	9	g	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing .....	—	14	8	g	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing .....	6	10	8	e	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing .....	6	10	8	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	2	181	89	j	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	2	174	88	j	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
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	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
326	Plastics and rubber products manufacturing—Con.												
3262	Rubber product manufacturing . . .	4	34	13	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing . . .	4	26	9	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use . . .	3	12	6	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing . . .	4	14	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing . . .	1	177	58	i	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing . . .	—	24	5	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing . . .	—	24	5	f	D	D	D	D	D	D	D	D
327213	Glass container manufacturing . . .	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass . .	—	20	4	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing . . .	1	95	40	h	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing . . .	1	53	21	g	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing . . .	1	53	21	g	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing . . .	—	20	11	f	D	D	D	D	D	D	D	D
327331	Concrete block and brick manufacturing . . .	—	14	6	e	D	D	D	D	D	D	D	D
327332	Concrete pipe manufacturing . . .	—	6	5	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing . . .	1	22	8	g	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing . . .	1	22	8	g	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing . . .	—	37	11	g	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing . . .	—	35	11	g	D	D	D	D	D	D	D	D
327991	Cut stone and stone product manufacturing . . .	—	27	9	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing . . .	—	63	35	i	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing . . .	—	3	1	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing . . .	—	3	1	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills . . .	—	3	1	e	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel . . .	—	4	2	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel . . .	—	3	2	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel . . .	—	3	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing . . .	—	3	3	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing . . .	—	3	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing . . .	1	14	2	e	D	D	D	D	D	D	D	D
3315	Foundries . . .	—	39	27	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries . . .	—	13	8	f	D	D	D	D	D	D	D	D
331511	Iron foundries . . .	—	9	5	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . .	—	26	19	g	2 650	90 973	1 984	4 149	63 451	220 887	122 268	343 971
331521	Aluminum die-casting foundries . . .	—	8	7	g	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries . . .	—	8	7	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) . . .	—	7	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
332	Fabricated metal product manufacturing .....	-	1 187	362	k	D	D	D	D	D	D	D	D
3321	Forging and stamping.....	-	71	40	h	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	71	40	h	D	D	D	D	D	D	D	D
332116	Metal stamping .....	-	60	36	h	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	-	31	11	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	31	11	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing .....	-	26	9	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	192	68	h	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	-	71	23	g	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing .....	-	44	13	f	D	D	D	D	D	D	D	D
332313	Plate work manufacturing .....	-	20	9	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	121	45	h	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	-	10	5	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	1	75	30	g	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	-	36	10	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	-	24	16	g	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing ....	-	5	2	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	-	5	2	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	3	11	8	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing .....	3	11	8	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	-	8	6	f	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ....	-	5	5	f	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	2	34	14	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing .....	2	34	14	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	2	30	11	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'557	'119	i	D	D	D	D	D	D	D	D
33271	Machine shops .....	1	'469	'80	i	D	D	D	D	D	D	D	D
332710	Machine shops .....	1	'469	'80	i	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing .....	2	88	39	h	D	D	D	D	D	D	D	D
332721	Precision turned product manufacturing .....	1	79	34	g	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	9	5	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	1	'143	'49	h	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	1	'143	'49	h	D	D	D	D	D	D	D	D
332811	Metal heat treating .....	-	11	7	332	13 459	273	576	9 885	27 583	5 277	32 810	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	'67	'19	g	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	65	23	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	121	43	i	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	-	25	14	g	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	-	7	6	g	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	-	15	7	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing—Con.												
33299	All other fabricated metal product manufacturing . . . . .	—	96	29	h	D	D	D	D	D	D	D	D
332992	Small arms ammunition manufacturing . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
332993	Ammunition (except small arms) manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing . . . . .	1	69	19	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing . . . . .	1	'604	'217	'26 195	'1 195 868	'15 077	'29 696	'548 137	'2 671 297	'2 238 443	'4 976 545	D
3331	Agriculture, construction, and mining machinery manufacturing . . . . .	—	42	13	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing . . . . .	1	30	9	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing . . . . .	1	27	8	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing . . . . .	—	10	4	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing . . . . .	—	10	4	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing . . . . .	1	86	35	h	D	D	D	D	D	D	D	D
33321	Sawmill and woodworking machinery manufacturing . . . . .	—	10	6	f	D	D	D	D	D	D	D	D
333210	Sawmill and woodworking machinery manufacturing . . . . .	—	10	6	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing . . . . .	1	67	26	h	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing . . . . .	3	14	3	e	D	D	D	D	D	D	D	1 485
333294	Food product machinery manufacturing . . . . .	1	14	9	f	D	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing . . . . .	—	6	5	738	48 247	246	536	8 323	84 968	71 438	152 849	9 479
333298	All other industrial machinery manufacturing . . . . .	3	31	8	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing . . . . .	1	56	23	h	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing . . . . .	1	56	23	h	D	D	D	D	D	D	D	D
333311	Automatic vending machine manufacturing . . . . .	—	3	1	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing . . . . .	—	3	2	336	15 899	169	364	6 380	24 781	23 246	48 744	D
333315	Photographic and photocopying equipment manufacturing . . . . .	—	10	4	449	21 979	125	258	4 158	71 949	107 915	181 823	518
333319	Other commercial and service industry machinery manufacturing . . . . .	1	35	15	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing . . . . .	—	'51	'29	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing . . . . .	—	'51	'29	h	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing . . . . .	—	8	5	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing . . . . .	—	'23	'18	h	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing . . . . .	1	212	45	h	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing . . . . .	1	212	45	h	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing . . . . .	1	91	11	f	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing . . . . .	—	8	5	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing . . . . .	1	67	20	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
333	Machinery manufacturing—Con.													
3335	Metalworking machinery manufacturing—Con.													
33351	Metalworking machinery manufacturing—Con.													
333515	Cutting tool and machine tool accessory manufacturing ...	2	33	2	e	D	D	D	D	D	D	D	D	
333518	Other metalworking machinery manufacturing ..	—	10	5	e	D	D	D	D	D	D	D	D	
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	15	12	g	D	D	D	D	D	D	D	D	
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	15	12	g	D	D	D	D	D	D	D	D	
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	5	5	e	D	D	D	D	D	D	D	D	
333613	Mechanical power transmission equipment manufacturing .....	1	5	4		347	14 269	191	440	5 961	33 270	17 021	48 820	1 631
333618	Other engine equipment manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D	
3339	Other general purpose machinery manufacturing .....	—	142	60	i	D	D	D	D	D	D	D	D	
33391	Pump and compressor manufacturing .....	—	14	7	g	D	D	D	D	D	D	D	D	
333911	Pump and pumping equipment manufacturing ..	—	6	4	f	D	D	D	D	D	D	D	D	
333912	Air and gas compressor manufacturing .....	—	7	2	e	D	D	D	D	D	D	D	D	
33392	Material handling equipment manufacturing .....	2	32	11	f	D	D	D	D	D	D	D	D	
333922	Conveyor and conveying equipment manufacturing ..	2	13	4		288	11 199	127	256	3 375	18 177	17 163	35 269	719
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	3	8	4	e	D	D	D	D	D	D	D	D	
33399	All other general purpose machinery manufacturing ....	1	96	42	i	D	D	D	D	D	D	D	D	
333993	Packaging machinery manufacturing .....	—	27	13		1 858	79 610	671	1 420	25 621	128 209	96 698	223 985	7 287
333994	Industrial process furnace and oven manufacturing ...	1	5	3	e	D	D	D	D	D	D	D	D	
333995	Fluid power cylinder and actuator manufacturing ....	—	9	6		418	18 647	243	393	7 918	31 278	29 913	63 745	D
333996	Fluid power pump and motor manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D	
333999	All other miscellaneous general purpose machinery manufacturing .....	1	46	16	h	D	D	D	D	D	D	D	D	
334	Computer and electronic product manufacturing .....	—	349	169	k	D	D	D	D	D	D	D	D	
3341	Computer and peripheral equipment manufacturing .....	—	49	24	i	D	D	D	D	D	D	D	D	
33411	Computer and peripheral equipment manufacturing ....	—	49	24	i	D	D	D	D	D	D	D	D	
334111	Electronic computer manufacturing .....	3	12	5	e	D	D	D	D	D	D	D	D	
334112	Computer storage device manufacturing .....	2	9	4	h	D	D	D	D	D	D	D	D	
334119	Other computer peripheral equipment manufacturing ..	—	25	14	h	D	D	D	D	D	D	D	D	
3342	Communications equipment manufacturing .....	1	24	10	g	D	D	D	D	D	D	D	D	
33421	Telephone apparatus manufacturing .....	3	10	5	f	D	D	D	D	D	D	D	2 511	
334210	Telephone apparatus manufacturing .....	3	10	5	f	D	D	D	D	D	D	D	2 511	
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	4	9	2	e	D	D	D	D	D	D	D	D	
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	4	9	2	e	D	D	D	D	D	D	D	D	
33429	Other communications equipment manufacturing ....	—	5	3		816	38 344	364	744	11 446	132 893	80 157	211 502	2 090
334290	Other communications equipment manufacturing ..	—	5	3		816	38 344	364	744	11 446	132 893	80 157	211 502	2 090

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
3343	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	
33431	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	
334310	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	
3344	Semiconductor and other electronic component manufacturing .....	1	108	52	i	D	D	D	D	D	D	D	
33441	Semiconductor and other electronic component manufacturing .....	1	108	52	i	D	D	D	D	D	D	D	
334412	Bare printed circuit board manufacturing .....	1	37	21	g	D	D	D	D	D	D	D	
334413	Semiconductor and related device manufacturing .....	1	17	6	1 762	113 231	1 037	1 951	53 313	234 658	107 002	350 301	30 859
334417	Electronic connector manufacturing .....	—	9	6	e	D	D	D	D	D	D	D	
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	14	8	1 626	67 744	1 023	2 088	29 898	252 828	218 786	466 900	14 478
334419	Other electronic component manufacturing .....	1	24	9	g	D	D	D	D	D	D	D	
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	138	70	j	D	D	D	D	D	D	D	
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	138	70	j	D	D	D	D	D	D	D	
334510	Electromedical and electrotherapeutic apparatus manufacturing .....	—	40	26	i	D	D	D	D	D	D	D	
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	8	6	h	D	D	D	D	D	D	D	
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	11	4	g	D	D	D	D	D	D	D	
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	—	26	10	g	D	D	D	D	D	D	D	
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	2	17	7	f	D	D	D	D	D	D	D	
334516	Analytical laboratory instrument manufacturing .....	—	10	6	g	D	D	D	D	D	D	D	
334519	Other measuring and controlling device manufacturing .....	—	20	10	h	D	D	D	D	D	D	D	
3346	Manufacturing and reproducing magnetic and optical media .....	4	19	8	f	D	D	D	D	D	D	D	
33461	Manufacturing and reproducing magnetic and optical media .....	4	19	8	f	D	D	D	D	D	D	D	
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	6	10	5	f	D	D	D	D	D	D	D	
335	Electrical equipment, appliance, and component manufacturing .....	—	112	51	i	D	D	D	D	D	D	D	
3351	Electric lighting equipment manufacturing .....	—	9	2	e	D	D	D	D	D	D	D	
33512	Lighting fixture manufacturing .....	—	9	2	e	D	D	D	D	D	D	D	
335129	Other lighting equipment manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	
3352	Household appliance manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	
33522	Major appliance manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	
335222	Household refrigerator and home freezer manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>											
335	Electrical equipment, appliance, and component manufacturing—Con.											
3353	Electrical equipment manufacturing .....	—	59	24	h	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	59	24	h	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	9	5	g	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	3	13	6	e	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	1	29	10	f	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	41	23	h	D	D	D	D	D	D	D
33593	Wiring device manufacturing ..	—	11	8	g	D	D	D	D	D	D	7 624
335931	Current-carrying wiring device manufacturing .....	—	8	6	f	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing .....	—	3	2	g	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	2	21	11	g	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	2	20	11	g	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	116	41	i	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	—	3	2	g	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	2	1	g	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	—	1	1	g	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	23	9	1 377	45 464	947	1 599	31 177	120 424	187 677	310 598
33621	Motor vehicle body and trailer manufacturing .....	—	23	9	1 377	45 464	947	1 599	31 177	120 424	187 677	310 598
336211	Motor vehicle body manufacturing .....	—	12	5	f	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	3	2	e	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	3	47	10	f	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	8	7	2	e	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	8	6	2	e	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing .....	—	11	6	e	D	D	D	D	D	D	4 596
33641	Aerospace product and parts manufacturing .....	—	11	6	e	D	D	D	D	D	D	4 596
3366	Ship and boat building .....	—	12	8	e	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	12	8	e	D	D	D	D	D	D	D
336612	Boat building .....	—	11	7	e	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	17	5	e	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	17	5	e	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	—	10	3	e	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	450	103	i	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	326	46	h	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	1	234	26	h	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	1	234	26	h	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	1	92	20	g	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing .....	—	26	6	f	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	1	46	4	e	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing .....	3	14	9	f	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing .....	2	109	52	h	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	2	109	52	h	D	D	D	D	D	D	D	D
337211	Wood office furniture manufacturing .....	—	14	7	e	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing .....	—	37	13	f	D	D	D	D	D	D	D	D
337214	Office furniture (except wood) manufacturing .....	—	9	5	388	16 772	247	471	8 164	40 707	29 830	70 883	659
337215	Showcase, partition, shelving, and locker manufacturing .....	3	49	27	g	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	1	15	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	2	'581	'161	j	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing .....	2	'245	'89	j	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	2	'245	'89	j	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing .....	3	60	30	6 420	346 283	2 635	5 384	91 496	702 752	300 514	1 017 403	D
339113	Surgical appliance and supplies manufacturing .....	2	'47	'21	h	D	D	D	D	D	D	D	D
339115	Ophthalmic goods manufacturing .....	4	15	11	g	D	D	D	D	D	D	D	D
339116	Dental laboratories .....	2	98	20	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	2	'336	'72	i	D	D	D	D	D	D	D	D
33991	Jewelry and silverware manufacturing .....	3	32	4	e	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing .....	—	'44	9	g	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing .....	—	'44	9	g	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	'3	'114	'30	g	D	D	D	D	D	D	D	D
339950	Sign manufacturing .....	'3	'114	'30	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	2	'121	'28	g	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing .....	1	15	9	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	'2	'85	'17	g	D	D	D	D	D	D	D	D
	<b>Faribault-Northfield, MN Micropolitan Statistical Area</b>												
31-33	Manufacturing .....	—	85	23	4 647	170 708	3 579	7 007	126 333	566 649	562 359	1 107 274	30 648
311	Food manufacturing .....	—	15	5	2 090	79 931	1 559	3 280	61 127	350 263	339 520	667 073	20 984
3112	Grain and oilseed milling .....	—	4	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	3	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	3	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	—	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	—	6	3	344	13 798	253	531	9 492	39 133	42 147	80 375	D
3272	Glass and glass product manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	3	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	12	5	732	26 567	635	1 081	22 138	44 715	83 946	129 535	1 208
3323	Architectural and structural metals manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Faribault-Northfield, MN Micropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing .....	-	15	3	907	32 380	689	1 319	21 836	83 024	56 652	140 840	2 309
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
	<b>Hutchinson, MN Micropolitan Statistical Area</b>												
31-33	Manufacturing .....	-	73	32	7 339	284 719	5 464	10 856	182 507	805 249	455 866	1 271 733	141 874
311	Food manufacturing .....	-	10	5	622	19 261	526	1 189	14 443	136 982	108 643	243 652	12 323
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	1	1	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	5	3	627	24 894	356	718	13 079	27 400	30 557	58 684	D
3212	Veneer, plywood, and engineered wood product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
321214	Truss manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	4	2	e	D	D	D	D	D	D	D	216
32199	All other wood product manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	2	11	4	312	14 661	227	503	7 667	15 232	24 879	40 033	D
3332	Industrial machinery manufacturing .....	2	3	3	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	2	6	4	2 404	96 844	1 653	3 565	56 660	45 692	19 161	66 523	D
3341	Computer and peripheral equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	167
33451	Navigational, measuring, electromedical, and control instruments manufacturing ..	8	4	2	e	D	D	D	D	D	D	D	167
334510	Electromedical and electrotherapeutic apparatus manufacturing ..	9	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	3	2	407	13 482	257	214	7 524	21 228	8 494	29 776	D
3353	Electrical equipment manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Hutchinson, MN Micropolitan Statistical Area—Con.</b>												
337	Furniture and related product manufacturing .....	—	5	3	339	14 593	255	501	8 798	30 739	14 621	45 539	D
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	1	'5 195	'1 738	'209 774	'9 115 654	'130 366	'257 129	'4 577 618	'23 870 248	'22 149 189	'46 168 209	'1 382 217
311	Food manufacturing .....	1	319	125	14 812	512 332	10 164	20 432	308 756	1 925 872	2 372 398	4 303 143	95 858
3111	Animal food manufacturing .....	5	21	11	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	5	21	11	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	6	18	10	f	D	D	D	D	D	D	D	3 356
3112	Grain and oilseed milling .....	2	14	11	575	24 005	466	919	17 188	89 792	305 456	394 273	D
31121	Flour milling and malt manufacturing .....	2	10	9	476	20 890	384	773	15 080	86 708	290 837	374 552	7 347
311211	Flour milling .....	—	8	8	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	—	24	4	g	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	1	12	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	1	12	2	e	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	—	10	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	10	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	4	18	14	1 818	61 745	1 266	2 389	33 252	201 043	174 337	375 002	11 029
31141	Frozen food manufacturing ....	4	8	8	1 299	43 866	803	1 452	19 194	131 407	98 291	229 698	D
311412	Frozen specialty food manufacturing .....	4	8	8	1 299	43 866	803	1 452	19 194	131 407	98 291	229 698	D
31142	Fruit and vegetable canning, pickling, and drying .....	4	10	6	519	17 879	463	937	14 058	69 636	76 046	145 304	D
311421	Fruit and vegetable canning .	9	5	3	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	26	15	2 362	110 908	1 441	3 053	55 725	444 193	826 736	1 271 777	21 381
31151	Dairy product (except frozen) manufacturing .....	—	24	14	g	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing ....	—	13	7	955	41 198	596	1 347	24 302	125 233	325 321	449 820	7 450
311513	Cheese manufacturing .....	1	9	5	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	2	29	9	1 069	36 860	805	1 749	23 589	133 051	291 032	427 393	6 806
31161	Animal slaughtering and processing .....	2	29	9	1 069	36 860	805	1 749	23 589	133 051	291 032	427 393	6 806
311611	Animal (except poultry) slaughtering .....	—	16	2	403	12 642	323	740	9 799	21 444	155 572	176 848	D
311612	Meat processed from carcasses .....	3	7	3	511	17 986	391	804	10 616	86 319	116 893	206 670	3 589
3118	Bakeries and tortilla manufacturing .....	1	121	40	3 933	111 765	2 545	4 818	74 024	354 205	227 523	581 096	13 353
31181	Bread and bakery product manufacturing .....	1	106	35	h	D	D	D	D	D	D	D	D
311811	Retail bakeries .....	4	64	14	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	1	33	14	1 565	44 774	860	1 525	25 704	105 571	62 241	166 430	5 032
311813	Frozen cakes, pies, and other pastries manufacturing .....	—	9	7	1 301	45 941	1 058	2 234	35 771	195 633	134 027	330 540	6 985
3119	Other food manufacturing .....	—	65	21	3 304	106 545	2 397	4 909	64 954	522 462	237 892	760 616	21 536
31191	Snack food manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	—	45	17	2 445	76 582	2 003	4 155	53 557	350 397	156 280	506 365	18 796
311991	Perishable prepared food manufacturing .....	—	17	8	551	16 664	429	815	12 322	56 503	41 612	97 896	2 423
311999	All other miscellaneous food manufacturing .....	—	28	9	1 894	59 918	1 574	3 340	41 235	293 894	114 668	408 469	16 373
312	Beverage and tobacco product manufacturing .....	—	14	5	847	38 898	461	949	12 713	69 467	332 890	403 450	D
3121	Beverage manufacturing .....	—	14	5	847	38 898	461	949	12 713	69 467	332 890	403 450	D
31211	Soft drink and ice manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing ....	—	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
313	Textile mills .....	2	21	5	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	1	'79	'11	'900	'26 517	'636	'1 234	'14 105	'58 749	'50 360	'108 997	D
3141	Textile furnishings mills .....	2	26	2	263	7 198	204	399	4 875	17 841	11 218	28 662	D
31412	Curtain and linen mills .....	2	24	2	e	D	D	D	D	D	D	D	217
3149	Other textile product mills .....	1	'53	'9	'637	'19 319	'432	'835	'9 230	'40 908	'39 142	'80 335	D
31499	All other textile product mills ...	—	'39	'5	'405	'11 576	'275	'528	'6 227	'26 126	'25 750	'51 997	D
314999	All other miscellaneous textile product mills .....	—	'37	'5	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	1	'78	4	'563	'14 992	450	788	10 564	'48 436	'23 816	'72 847	1 049
3152	Cut and sew apparel manufacturing .....	2	65	3	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	13	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	145	39	7 002	362 551	5 081	9 111	242 133	683 067	898 698	1 588 513	47 013
3212	Veneer, plywood, and engineered wood product manufacturing .....	—	14	9	746	26 678	574	1 213	17 465	50 432	44 805	95 110	2 007
32121	Veneer, plywood, and engineered wood product manufacturing .....	—	14	9	746	26 678	574	1 213	17 465	50 432	44 805	95 110	2 007
321214	Truss manufacturing .....	—	9	7	619	22 311	481	1 008	14 718	42 545	33 352	75 837	D
3219	Other wood product manufacturing .....	—	118	28	6 156	331 639	4 451	7 777	222 719	623 286	817 772	1 447 936	44 637
32191	Millwork .....	—	58	16	5 362	306 770	3 873	6 629	207 357	575 118	768 546	1 350 710	D
321911	Wood window and door manufacturing .....	—	26	10	5 064	297 705	3 676	6 262	202 629	559 846	748 272	1 315 079	D
321918	Other millwork (including flooring) .....	3	27	5	e	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing .....	2	29	5	319	8 709	248	492	5 909	17 863	17 768	35 732	D
321920	Wood container and pallet manufacturing .....	2	29	5	319	8 709	248	492	5 909	17 863	17 768	35 732	D
32199	All other wood product manufacturing .....	2	31	7	475	16 160	330	656	9 453	30 305	31 458	61 494	2 787
321999	All other miscellaneous wood product manufacturing .....	2	23	6	405	13 945	301	597	8 694	27 079	28 170	54 996	2 611
322	Paper manufacturing .....	—	98	62	8 929	345 036	6 059	12 534	218 118	832 164	950 312	1 791 521	D
3221	Pulp, paper, and paperboard mills .....	—	4	3	e	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	3	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	94	59	i	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	48	34	4 017	166 838	2 966	5 996	104 746	352 871	522 591	869 229	D
322211	Corrugated and solid fiber box manufacturing .....	—	31	24	h	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	—	12	10	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	1	19	11	h	D	D	D	D	D	D	D	10 202
322222	Coated and laminated paper manufacturing .....	1	10	7	g	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	2	19	11	1 831	67 378	1 325	2 837	41 143	116 033	113 853	232 294	D
322231	Die-cut paper and paperboard office supplies manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing .....	4	11	7	761	26 440	603	1 234	20 807	49 858	51 202	101 422	2 377
323	Printing and related support activities .....	1	670	189	19 938	798 776	13 283	25 684	464 991	'1 674 402	1 171 385	'2 834 154	97 516

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
323	Printing and related support activities—Con.												
3231	Printing and related support activities .....	1	670	189	19 938	798 776	13 283	25 684	464 991	1 674 402	1 171 385	2 834 154	97 516
32311	Printing .....	1	596	164	18 406	730 643	12 171	23 423	421 383	1 541 297	1 142 519	2 673 698	92 861
323110	Commercial lithographic printing .....	1	267	92	11 833	494 222	7 957	15 310	290 944	994 574	781 153	1 763 219	65 929
323112	Commercial flexographic printing .....	—	26	16	1 077	43 741	627	1 261	22 798	99 180	88 663	189 038	D
323113	Commercial screen printing ..	1	76	16	1 878	56 860	1 156	2 101	29 424	131 642	90 042	222 272	4 123
323114	Quick printing .....	2	125	7	733	21 916	517	865	13 622	49 953	18 554	68 354	2 751
323115	Digital printing .....	—	29	4	352	13 770	221	401	7 438	34 303	11 704	45 552	1 310
323116	Manifold business forms printing .....	1	14	11	954	30 873	721	1 471	20 645	84 276	43 123	128 566	1 785
323119	Other commercial printing ...	2	45	12	1 131	52 129	638	1 313	24 869	105 425	75 644	180 805	9 365
32312	Support activities for printing ...	1	74	25	1 532	68 133	1 112	2 261	43 608	133 105	28 866	160 456	4 655
323121	Tradebinding and related work .....	2	35	11	635	19 008	505	1 023	13 744	38 954	9 096	47 595	1 775
323122	Prepress services .....	1	39	14	897	49 125	607	1 238	29 864	94 151	19 770	112 861	2 880
324	Petroleum and coal products manufacturing .....	—	21	11	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	21	11	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	2	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	2	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	—	15	8	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing ...	—	6	4	520	26 270	341	760	16 410	81 257	140 923	215 125	37 140
325	Chemical manufacturing .....	1	171	70	6 188	310 395	3 119	6 218	122 274	1 185 314	771 641	1 947 875	106 121
3251	Basic chemical manufacturing ...	5	15	7	345	17 417	157	332	6 467	46 683	57 477	104 422	3 335
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	9	3	428	15 090	314	663	10 603	27 978	37 806	65 880	D
32521	Resin and synthetic rubber manufacturing .....	—	9	3	428	15 090	314	663	10 603	27 978	37 806	65 880	D
325211	Plastics material and resin manufacturing .....	—	9	3	428	15 090	314	663	10 603	27 978	37 806	65 880	D
3254	Pharmaceutical and medicine manufacturing .....	2	28	10	1 494	81 554	637	1 273	25 342	319 332	176 921	497 633	36 536
32541	Pharmaceutical and medicine manufacturing .....	2	28	10	1 494	81 554	637	1 273	25 342	319 332	176 921	497 633	36 536
325412	Pharmaceutical preparation manufacturing .....	—	10	5	f	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance manufacturing .....	6	6	3	292	15 556	133	252	6 236	58 821	62 491	125 106	3 138
3255	Paint, coating, and adhesive manufacturing .....	6	21	13	565	26 249	300	542	10 217	74 225	77 450	151 179	D
32551	Paint and coating manufacturing .....	6	14	8	e	D	D	D	D	D	D	D	825
325510	Paint and coating manufacturing .....	6	14	8	e	D	D	D	D	D	D	D	825
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	51	15	1 484	63 779	844	1 648	28 332	294 420	188 513	475 885	9 934
32561	Soap and cleaning compound manufacturing .....	2	33	8	488	21 124	254	513	8 804	67 666	42 622	109 693	4 397
325611	Soap and other detergent manufacturing .....	—	13	4	267	12 606	131	274	5 405	39 330	25 097	63 776	D
32562	Toilet preparation manufacturing .....	—	18	7	996	42 655	590	1 135	19 528	226 754	145 891	366 192	5 537
325620	Toilet preparation manufacturing .....	—	18	7	996	42 655	590	1 135	19 528	226 754	145 891	366 192	5 537
3259	Other chemical product and preparation manufacturing .....	—	40	20	1 778	103 092	813	1 653	39 927	398 896	190 281	589 473	D
32591	Printing ink manufacturing .....	2	11	7	e	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing .....	2	11	7	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ...	—	27	12	g	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	—	19	9	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
326	Plastics and rubber products manufacturing .....	2	271	132	14 959	511 538	11 334	22 149	322 294	1 307 987	911 832	2 215 345	107 251
3261	Plastics product manufacturing ..	2	239	120	14 105	481 412	10 777	21 060	307 091	1 241 597	863 157	2 100 513	105 063
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	28	16	1 595	66 091	1 167	2 357	42 246	190 921	177 559	370 827	19 962
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	4	6	3	289	14 312	184	376	8 185	27 452	29 853	57 234	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	—	15	9	1 067	42 683	795	1 604	27 462	141 558	125 568	269 734	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing .....	—	14	7	g	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing .....	—	12	7	g	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing .....	7	9	7	363	11 009	276	532	7 267	27 138	29 047	56 703	2 234
326140	Polystyrene foam product manufacturing .....	7	9	7	363	11 009	276	532	7 267	27 138	29 047	56 703	2 234
32619	Other plastics product manufacturing .....	2	169	84	10 792	357 764	8 293	16 157	227 575	940 049	541 256	1 462 485	76 946
326199	All other plastics product manufacturing .....	2	162	83	10 625	352 045	8 173	15 929	224 124	919 371	531 325	1 432 958	D
3262	Rubber product manufacturing ...	3	32	12	854	30 126	557	1 089	15 203	66 390	48 675	114 832	2 188
32629	Other rubber product manufacturing .....	4	25	9	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	3	11	6	353	12 971	234	456	6 701	26 416	16 439	42 937	779
326299	All other rubber product manufacturing .....	4	14	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	125	39	3 786	151 531	2 691	5 586	108 129	403 382	309 368	715 151	19 470
3272	Glass and glass product manufacturing .....	—	17	3	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	17	3	f	D	D	D	D	D	D	D	D
327213	Glass container manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	1	13	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	72	34	h	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing .....	1	41	18	1 102	44 403	682	1 382	28 926	135 539	132 479	267 760	6 251
327320	Ready-mix concrete manufacturing .....	1	41	18	1 102	44 403	682	1 382	28 926	135 539	132 479	267 760	6 251
32733	Concrete pipe, brick, and block manufacturing .....	—	13	9	708	29 713	613	1 258	25 874	98 662	49 467	147 936	5 535
327331	Concrete block and brick manufacturing .....	—	8	4	255	13 457	229	526	12 189	46 507	26 569	73 566	2 563
327332	Concrete pipe manufacturing .....	—	5	5	453	16 256	384	732	13 685	52 155	22 898	74 370	2 972
32739	Other concrete product manufacturing .....	2	18	7	g	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	2	18	7	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	'58	'34	'4 712	'185 364	'3 563	'7 387	'126 789	'427 124	'435 387	'857 904	'22 117
3311	Iron and steel mills and ferroalloy manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	—	2	1	e	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	—	4	2	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	3	2	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	3	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	—	3	3	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing .....	1	12	2	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	'37	'26	'3 181	'110 231	'2 405	'4 886	'76 509	'269 236	'140 921	'410 668	D
33151	Ferrous metal foundries .....	—	11	7	531	19 258	421	737	13 058	48 349	18 653	66 697	D
331511	Iron foundries .....	—	7	4	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	'26	'19	'2 650	'90 973	'1 984	'4 149	'63 451	'220 887	'122 268	'343 971	'10 532
331521	Aluminum die-casting foundries .....	—	'8	'7	g	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries .....	—	8	7	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	—	7	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	1 110	338	'28 843	'1 204 365	'19 500	'38 773	'678 135	'2 789 802	'1 893 168	'4 667 688	'140 665
3321	Forging and stamping .....	—	70	40	3 589	135 001	2 625	5 294	84 665	333 270	151 565	484 722	12 992
33211	Forging and stamping .....	—	70	40	3 589	135 001	2 625	5 294	84 665	333 270	151 565	484 722	12 992
332116	Metal stamping .....	—	60	36	h	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	—	30	11	859	39 987	424	854	14 609	109 142	123 142	238 785	D
33221	Cutlery and handtool manufacturing .....	—	30	11	859	39 987	424	854	14 609	109 142	123 142	238 785	D
332212	Hand and edge tool manufacturing .....	—	25	9	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	175	59	4 250	165 191	2 964	5 672	96 660	382 934	377 516	753 747	16 527
33231	Plate work and fabricated structural product manufacturing .....	—	63	19	1 429	56 107	964	1 834	33 468	119 603	137 434	254 415	4 881
332312	Fabricated structural metal manufacturing .....	—	39	12	801	31 630	523	969	18 488	70 286	100 384	168 540	2 604
332313	Plate work manufacturing .....	—	17	6	459	19 055	323	647	11 806	37 595	24 866	62 059	D
33232	Ornamental and architectural metal products manufacturing .....	—	112	40	2 821	109 084	2 000	3 838	63 192	263 331	240 082	499 332	11 646
332321	Metal window and door manufacturing .....	—	9	4	350	12 940	272	637	8 984	31 892	55 804	86 550	D
332322	Sheet metal work manufacturing .....	1	71	27	2 048	78 027	1 456	2 670	45 212	181 681	146 622	324 261	D
332323	Ornamental and architectural metal work manufacturing ..	—	32	9	423	18 117	272	531	8 996	49 758	37 656	88 521	818
3324	Boiler, tank, and shipping container manufacturing .....	—	19	12	1 376	57 208	1 025	2 059	41 117	211 912	389 490	601 125	8 838
33241	Power boiler and heat exchanger manufacturing ....	—	4	2	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	—	4	2	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	2	8	5	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing .....	2	8	5	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	7	5	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ....	—	4	4	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	2	32	12	577	21 619	437	834	14 629	44 905	35 288	80 498	1 053
33261	Spring and wire product manufacturing .....	2	32	12	577	21 619	437	834	14 629	44 905	35 288	80 498	1 053
332618	Other fabricated wire product manufacturing .....	3	28	9	469	17 471	356	674	11 619	36 203	28 785	65 662	993
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'521	'115	'8 342	'344 252	'6 204	'12 282	'228 526	'689 306	'299 874	'989 971	'52 533
33271	Machine shops .....	1	'439	'78	'5 750	'240 069	'4 153	'8 091	'153 189	'481 392	'199 291	'681 002	'37 292
332710	Machine shops .....	1	'439	'78	'5 750	'240 069	'4 153	'8 091	'153 189	'481 392	'199 291	'681 002	'37 292
33272	Turned product and screw, nut, and bolt manufacturing .....	2	82	37	2 592	104 183	2 051	4 191	75 337	207 914	100 583	308 969	15 241
332721	Precision turned product manufacturing .....	1	73	32	g	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	9	5	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities .....	1	'136	'48	'3 591	'117 322	'2 834	'5 646	'79 335	'226 241	'94 792	'321 203	'16 708
33281	Coating, engraving, heat treating, and allied activities ..	1	'136	'48	'3 591	'117 322	'2 834	'5 646	'79 335	'226 241	'94 792	'321 203	'16 708
332811	Metal heat treating .....	—	11	7	332	13 459	273	576	9 885	27 583	5 277	32 810	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	'64	'19	'1 214	'38 214	'945	'1 673	'24 934	'81 190	'27 775	'109 058	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	61	22	2 045	65 649	1 616	3 397	44 516	117 468	61 740	179 335	6 396
3329	Other fabricated metal product manufacturing .....	—	113	39	6 061	315 493	2 853	5 892	114 490	772 171	407 109	1 163 869	28 988
33291	Metal valve manufacturing ....	—	24	13	1 735	81 631	1 122	2 241	43 943	185 599	138 011	325 559	15 635
332911	Industrial valve manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	—	15	7	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	—	89	26	4 326	233 862	1 731	3 651	70 547	586 572	269 098	838 310	13 353
332992	Small arms ammunition manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
332993	Ammunition (except small arms) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	64	16	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	'549	'198	'23 641	'1 093 193	'13 297	'26 171	'488 676	'2 446 753	'2 052 661	'4 564 715	'114 745
3331	Agriculture, construction, and mining machinery manufacturing .....	—	34	12	1 741	70 265	1 039	2 164	38 001	136 527	192 671	349 603	8 327
33311	Agricultural implement manufacturing .....	—	23	8	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	1	20	7	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	9	4	829	42 084	475	950	20 790	81 989	136 410	237 740	D
333120	Construction machinery manufacturing .....	—	9	4	829	42 084	475	950	20 790	81 989	136 410	237 740	D
3332	Industrial machinery manufacturing .....	1	74	29	2 588	140 028	1 155	2 328	43 660	'229 621	'271 896	'501 340	14 505
33321	Sawmill and woodworking machinery manufacturing ....	—	8	5	e	D	D	D	D	D	D	D	D
333210	Sawmill and woodworking machinery manufacturing ..	—	8	5	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	1	58	22	2 136	117 867	887	1 758	31 992	193 714	224 754	413 377	12 934
333293	Printing machinery and equipment manufacturing ..	3	14	3	e	D	D	D	D	D	D	D	1 485
333294	Food product machinery manufacturing .....	2	12	7	550	28 442	233	466	9 052	45 196	79 990	124 525	D
333295	Semiconductor machinery manufacturing .....	—	6	5	738	48 247	246	536	8 323	84 968	71 438	152 849	9 479
333298	All other industrial machinery manufacturing .....	2	24	6	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	1	55	22	3 437	162 484	1 893	3 692	66 655	602 736	450 124	1 056 767	24 932
33331	Commercial and service industry machinery manufacturing .....	1	55	22	3 437	162 484	1 893	3 692	66 655	602 736	450 124	1 056 767	24 932
333311	Automatic vending machine manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	3	2	336	15 899	169	364	6 380	24 781	23 246	48 744	D
333315	Photographic and photocopying equipment manufacturing .....	—	10	4	449	21 979	125	258	4 158	71 949	107 915	181 823	518
333319	Other commercial and service industry machinery manufacturing .....	1	34	14	2 241	104 704	1 348	2 611	46 581	478 797	290 060	770 050	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	'47	'26	'3 289	'134 545	'2 097	'4 038	'69 270	'257 234	'211 376	'496 303	'11 666

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	'47	'26	'3 289	'134 545	'2 097	'4 038	'69 270	'257 234	'211 376	'496 303	'11 666
333412	Industrial and commercial fan and blower manufacturing ..	—	7	4	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	'22	'17	'2 377	'102 854	'1 432	'2 881	'49 905	'152 127	'159 201	'341 333	D
3335	Metalworking machinery manufacturing .....	1	191	42	4 098	196 547	2 730	5 295	117 594	328 448	181 143	508 848	13 504
33351	Metalworking machinery manufacturing .....	1	191	42	4 098	196 547	2 730	5 295	117 594	328 448	181 143	508 848	13 504
333511	Industrial mold manufacturing .....	1	84	11	962	44 756	698	1 315	31 003	83 979	31 951	115 896	5 414
333512	Machine tool (metal cutting types) manufacturing .....	—	6	4	468	19 527	270	519	9 969	16 000	51 285	69 103	2 786
333514	Special die and tool, die set, jig, and fixture manufacturing .....	1	57	19	1 924	98 036	1 285	2 580	56 221	166 279	55 132	218 727	3 981
333515	Cutting tool and machine tool accessory manufacturing ...	2	32	2	e	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing ..	—	10	5	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	14	11	867	33 749	601	1 180	19 246	74 967	91 490	165 081	3 034
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	14	11	867	33 749	601	1 180	19 246	74 967	91 490	165 081	3 034
333613	Mechanical power transmission equipment manufacturing .....	1	5	4	347	14 269	191	440	5 961	33 270	17 021	48 820	1 631
333618	Other engine equipment manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	—	134	56	7 621	355 575	3 782	7 474	134 250	817 220	653 961	1 486 773	38 777
33391	Pump and compressor manufacturing .....	—	14	7	g	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	6	4	f	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing .....	—	7	2	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	2	'26	'8	f	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	2	'13	'4	'288	'11 199	'127	'256	'3 375	'18 177	'17 163	'35 269	'719
33399	All other general purpose machinery manufacturing ....	1	'94	'41	'5 714	'259 525	'2 759	'5 366	'92 428	'545 376	'410 622	'963 708	'31 697
333993	Packaging machinery manufacturing .....	—	'27	'13	'1 858	'79 610	'671	'1 420	'25 621	'128 209	'96 698	'223 985	'7 287
333994	Industrial process furnace and oven manufacturing ...	1	5	3	e	D	D	D	D	D	D	D	D
333995	Fluid power cylinder and actuator manufacturing ....	—	9	6	418	18 647	243	393	7 918	31 278	29 913	63 745	D
333996	Fluid power pump and motor manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	1	45	15	2 767	126 719	1 509	2 885	46 848	330 688	226 460	560 981	20 775
334	Computer and electronic product manufacturing .....	—	337	164	k	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	—	48	23	i	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	48	23	i	D	D	D	D	D	D	D	D
334111	Electronic computer manufacturing .....	3	12	5	e	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	2	8	3	h	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	25	14	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
3342	Communications equipment manufacturing .....	1	22	9	1 487	69 992	747	1 484	23 756	210 557	149 152	361 206	D
33421	Telephone apparatus manufacturing .....	3	10	5	f	D	D	D	D	D	D	D	2 511
334210	Telephone apparatus manufacturing .....	3	10	5	f	D	D	D	D	D	D	D	2 511
33429	Other communications equipment manufacturing ....	—	5	3	816	38 344	364	744	11 446	132 893	80 157	211 502	2 090
334290	Other communications equipment manufacturing ..	—	5	3	816	38 344	364	744	11 446	132 893	80 157	211 502	2 090
3343	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	5	11	5	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	105	51	7 035	313 106	4 463	8 853	150 101	827 634	528 747	1 367 826	61 674
33441	Semiconductor and other electronic component manufacturing .....	1	105	51	7 035	313 106	4 463	8 853	150 101	827 634	528 747	1 367 826	61 674
334412	Bare printed circuit board manufacturing .....	1	36	20	1 835	61 677	1 321	2 587	33 742	149 649	94 733	247 427	11 587
334413	Semiconductor and related device manufacturing .....	1	17	6	1 762	113 231	1 037	1 951	53 313	234 658	107 002	350 301	30 859
334417	Electronic connector manufacturing .....	—	9	6	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	14	8	1 626	67 744	1 023	2 088	29 898	252 828	218 786	466 900	14 478
334419	Other electronic component manufacturing .....	1	22	9	1 227	44 677	657	1 341	17 029	92 656	42 013	135 737	3 484
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	132	68	20 172	1 082 843	9 036	18 279	369 244	3 812 088	1 331 961	5 208 146	131 549
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	132	68	20 172	1 082 843	9 036	18 279	369 244	3 812 088	1 331 961	5 208 146	131 549
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	39	25	8 181	445 622	3 844	8 353	148 567	2 181 615	541 250	2 737 251	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	8	6	h	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use .....	—	11	4	g	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	—	24	9	2 165	100 109	867	1 779	38 187	263 877	126 313	391 205	16 940
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	2	16	7	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	—	10	6	g	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing .....	—	19	10	h	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media .....	4	19	8	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media ...	4	19	8	f	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	6	10	5	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	'104	'47	'7 478	'315 945	'4 435	'8 417	'149 907	'851 306	'997 254	'1 864 114	'30 304

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3353	Electrical equipment manufacturing .....	—	56	23	3 619	160 942	2 022	3 733	70 990	389 662	596 530	983 490	14 568
33531	Electrical equipment manufacturing .....	—	56	23	3 619	160 942	2 022	3 733	70 990	389 662	596 530	983 490	14 568
335312	Motor and generator manufacturing .....	—	7	4	2 151	96 243	1 219	2 204	45 800	267 235	489 039	754 158	D
335313	Switchgear and switchboard apparatus manufacturing .....	3	12	6	354	15 126	236	432	8 239	27 931	23 386	52 066	D
335314	Relay and industrial control manufacturing .....	1	29	10	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	'39	'22	h	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing .....	—	11	8	g	D	D	D	D	D	D	D	7 624
335931	Current-carrying wiring device manufacturing .....	—	8	6	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	1	'20	'10	'1 185	'36 692	'612	'1 124	'13 834	'75 059	'140 508	'231 998	'6 813
335999	All other miscellaneous electrical equipment and component manufacturing ..	1	'19	'10	g	D	D	D	D	D	D	D	'6 813
336	Transportation equipment manufacturing .....	—	98	34	4 617	230 813	3 760	7 299	183 600	840 164	1 789 965	2 622 683	24 950
3361	Motor vehicle manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	17	4	445	15 123	335	460	9 709	35 956	42 368	77 199	D
33621	Motor vehicle body and trailer manufacturing .....	—	17	4	445	15 123	335	460	9 709	35 956	42 368	77 199	D
336211	Motor vehicle body manufacturing .....	—	11	4	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	3	'40	'10	f	D	D	D	D	D	D	D	'3 110
33632	Motor vehicle electrical and electronic equipment manufacturing .....	8	5	2	e	D	D	D	D	D	D	D	1 050
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	8	5	2	e	D	D	D	D	D	D	D	1 050
3364	Aerospace product and parts manufacturing .....	—	11	6	e	D	D	D	D	D	D	D	4 596
33641	Aerospace product and parts manufacturing .....	—	11	6	e	D	D	D	D	D	D	D	4 596
3366	Ship and boat building .....	—	10	7	e	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	10	7	e	D	D	D	D	D	D	D	D
336612	Boat building .....	—	9	6	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	'15	'4	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	'15	'4	e	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	—	'8	'2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	381	82	7 434	244 812	5 372	10 009	147 432	552 765	393 192	948 665	17 520
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	273	33	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing .....	1	195	20	2 411	72 424	1 827	3 486	47 275	170 657	95 406	267 306	7 310
337110	Wood kitchen cabinet and countertop manufacturing ..	1	195	20	2 411	72 424	1 827	3 486	47 275	170 657	95 406	267 306	7 310

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>												
	<b>Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area—Con.</b>												
337	Furniture and related product manufacturing—Con.												
3371	Household and institutional furniture and kitchen cabinet manufacturing—Con.												
33712	Household and institutional furniture manufacturing . . . . .	—	78	13	g	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing . . . . .	—	24	5	624	15 364	517	967	11 540	42 437	45 527	87 962	1 401
337122	Nonupholstered wood household furniture manufacturing . . . . .	1	38	2	304	7 708	252	472	5 692	16 201	11 805	29 012	723
337127	Institutional furniture manufacturing . . . . .	—	10	5	576	20 284	401	775	12 076	46 167	28 250	74 089	D
3372	Office furniture (including fixtures) manufacturing . . . . .	2	94	44	2 953	111 740	1 973	3 615	59 902	232 611	161 934	395 500	6 331
33721	Office furniture (including fixtures) manufacturing . . . . .	2	94	44	2 953	111 740	1 973	3 615	59 902	232 611	161 934	395 500	6 331
337211	Wood office furniture manufacturing . . . . .	—	12	5	316	10 746	246	420	7 079	22 756	10 317	33 380	555
337212	Custom architectural woodwork and millwork manufacturing . . . . .	—	30	10	620	24 070	410	768	12 728	51 978	35 456	88 522	1 070
337214	Office furniture (except wood) manufacturing . . . . .	—	9	5	388	16 772	247	471	8 164	40 707	29 830	70 883	659
337215	Showcase, partition, shelving, and locker manufacturing . . . . .	3	43	24	1 629	60 152	1 070	1 956	31 931	117 170	86 331	202 715	4 047
3379	Other furniture related product manufacturing . . . . .	1	14	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing . . . . .	2	'533	'147	'16 820	'760 442	'8 814	'17 488	'276 355	'1 645 944	'809 502	'2 462 919	'116 329
3391	Medical equipment and supplies manufacturing . . . . .	'2	'226	'80	j	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing . . . . .	'2	'226	'80	j	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing . . . . .	—	7	4	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing . . . . .	3	60	30	6 420	346 283	2 635	5 384	91 496	702 752	300 514	1 017 403	D
339113	Surgical appliance and supplies manufacturing . . . . .	2	'45	'20	'2 622	'134 479	'1 193	'2 344	'40 079	'332 938	'140 276	'466 790	D
339115	Ophthalmic goods manufacturing . . . . .	6	7	5	509	18 605	341	699	10 299	78 277	32 041	111 902	D
339116	Dental laboratories . . . . .	2	92	19	1 140	39 858	836	1 687	29 017	66 297	14 816	80 553	D
3399	Other miscellaneous manufacturing . . . . .	2	'307	'67	i	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing . . . . .	—	'41	8	'1 290	'43 099	'802	'1 545	'20 729	'110 162	'67 925	'178 371	D
339920	Sporting and athletic goods manufacturing . . . . .	—	'41	8	'1 290	'43 099	'802	'1 545	'20 729	'110 162	'67 925	'178 371	D
33995	Sign manufacturing . . . . .	'3	'109	'28	'2 095	'80 173	'1 219	'2 341	'37 877	'159 975	'110 852	'270 746	'4 867
339950	Sign manufacturing . . . . .	'3	'109	'28	'2 095	'80 173	'1 219	'2 341	'37 877	'159 975	'110 852	'270 746	'4 867
33999	All other miscellaneous manufacturing . . . . .	'3	'104	'26	'1 751	'61 045	'1 211	'2 397	'31 944	'121 187	'85 276	'205 845	'6 286
339991	Gasket, packing, and sealing device manufacturing . . . . .	2	14	8	502	19 379	334	736	10 368	35 432	17 975	53 457	3 601
339999	All other miscellaneous manufacturing . . . . .	1	'76	'16	'1 019	'33 788	'699	'1 275	'17 387	'68 389	'54 475	'122 154	'2 291
	<b>Red Wing, MN Micropolitan Statistical Area</b>												
31-33	Manufacturing . . . . .	—	90	33	4 485	163 726	3 296	6 404	100 008	412 114	619 206	1 029 059	11 928
311	Food manufacturing . . . . .	—	15	9	621	20 136	450	915	13 196	78 085	387 937	463 288	2 044
3115	Dairy product manufacturing . . . . .	—	3	3	353	11 430	259	536	7 988	44 967	297 294	337 960	490
31151	Dairy product (except frozen) manufacturing . . . . .	—	3	3	353	11 430	259	536	7 988	44 967	297 294	337 960	490
316	Leather and allied product manufacturing . . . . .	—	2	2	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
	<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
	<b>Red Wing, MN Micropolitan Statistical Area—Con.</b>													
316	Leather and allied product manufacturing—Con.													
3162	Footwear manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D	
31621	Footwear manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D	
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D	
323	Printing and related support activities .....	—	6	2	e	D	D	D	D	D	D	D	271	
3231	Printing and related support activities .....	—	6	2	e	D	D	D	D	D	D	D	271	
32311	Printing .....	—	6	2	e	D	D	D	D	D	D	D	271	
326	Plastics and rubber products manufacturing .....	3	3	2	e	D	D	D	D	D	D	D	D	
332	Fabricated metal product manufacturing .....	—	12	5		467	16 383	324	636	10 254	73 168	24 449	98 111	1 432
333	Machinery manufacturing .....	—	5	3		452	16 434	338	718	10 572	41 156	18 609	59 393	1 253
3339	Other general purpose machinery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	—	10	4		488	16 924	375	702	11 004	49 627	28 486	78 540	1 947
3399	Other miscellaneous manufacturing .....	—	6	3		417	14 142	323	592	9 391	40 127	26 673	66 607	D
	<b>St. Cloud, MN Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	325	112		'16 523	'573 584	'12 714	'25 238	'402 796	1 514 741	1 582 486	3 096 325	104 566
311	Food manufacturing .....	—	38	15		2 924	82 227	2 210	4 536	56 205	240 186	461 118	698 255	11 773
3115	Dairy product manufacturing .....	—	5	3		335	11 402	293	562	9 640	69 922	226 810	293 805	4 318
31151	Dairy product (except frozen) manufacturing .....	—	5	3		335	11 402	293	562	9 640	69 922	226 810	293 805	4 318
311513	Cheese manufacturing .....	—	4	3	e	D	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	10	5		1 725	45 289	1 446	2 995	33 180	86 393	180 296	266 891	2 970
31161	Animal slaughtering and processing .....	—	10	5		1 725	45 289	1 446	2 995	33 180	86 393	180 296	266 891	2 970
311615	Poultry processing .....	—	2	2	g	D	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	11	4		701	20 523	346	688	9 914	60 006	23 466	83 465	D
31181	Bread and bakery product manufacturing .....	—	11	4		701	20 523	346	688	9 914	60 006	23 466	83 465	D
311812	Commercial bakeries .....	—	3	2	f	D	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	19	7		902	25 936	759	1 451	19 544	63 778	69 789	133 084	D
3219	Other wood product manufacturing .....	3	16	7		881	25 396	740	1 420	19 104	60 599	67 215	127 456	D
32191	Millwork .....	3	8	6		826	24 401	695	1 354	18 402	58 817	65 663	124 121	D
321911	Wood window and door manufacturing .....	9	3	2	e	D	D	D	D	D	D	D	D	D
321912	Cut stock, resawing lumber, and planing .....	—	3	3	e	D	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	1	1	f	D	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	1	1	f	D	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	1	1	f	D	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	34	11		2 584	96 740	1 765	3 472	56 537	270 804	121 164	392 425	33 118
3231	Printing and related support activities .....	—	34	11		2 584	96 740	1 765	3 472	56 537	270 804	121 164	392 425	33 118
32311	Printing .....	—	31	11		2 560	95 873	1 746	3 433	55 954	269 020	120 591	390 068	33 065
323110	Commercial lithographic printing .....	—	15	6		1 900	70 120	1 401	2 835	46 512	176 061	78 387	254 356	D
323118	Blankbook, looseleaf binders, and devices manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
<b>St. Cloud, MN Metropolitan Statistical Area—Con.</b>													
326	Plastics and rubber products manufacturing .....	-	10	5	414	12 041	303	691	6 816	35 524	35 513	70 142	515
3261	Plastics product manufacturing ..	-	9	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	7	4	e	D	D	D	D	D	D	D	431
326199	All other plastics product manufacturing .....	-	7	4	e	D	D	D	D	D	D	D	431
327	Nonmetallic mineral product manufacturing .....	-	34	13	1 318	54 711	1 118	2 276	43 728	146 329	65 395	210 442	5 983
3279	Other nonmetallic mineral product manufacturing .....	-	18	9	1 062	42 842	961	1 932	38 054	121 299	49 294	168 532	4 546
32799	All other nonmetallic mineral product manufacturing .....	-	18	9	1 062	42 842	961	1 932	38 054	121 299	49 294	168 532	4 546
327991	Cut stone and stone product manufacturing .....	-	17	9	g	D	D	D	D	D	D	D	4 546
331	Primary metal manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	-	2	1	e	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	2	1	e	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	39	10	1 273	54 295	881	1 713	33 773	103 787	76 216	179 139	6 686
3324	Boiler, tank, and shipping container manufacturing .....	6	4	3	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing .....	6	3	3	293	13 271	189	396	7 208	19 512	12 922	32 427	D
332420	Metal tank (heavy gauge) manufacturing .....	6	3	3	293	13 271	189	396	7 208	19 512	12 922	32 427	D
3329	Other fabricated metal product manufacturing .....	-	6	3	577	28 930	387	809	17 864	61 454	50 629	111 667	D
33291	Metal valve manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	24	9	'883	'39 200	'526	'985	'19 386	85 132	85 642	171 564	12 765
3332	Industrial machinery manufacturing .....	1	6	3	343	19 084	156	331	7 141	38 773	37 425	77 329	D
335	Electrical equipment, appliance, and component manufacturing .....	-	5	2	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	-	1	1	g	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	16	7	1 045	33 126	698	1 318	23 515	91 164	152 136	246 700	D
3362	Motor vehicle body and trailer manufacturing .....	-	6	5	932	30 341	612	1 139	21 468	84 468	145 309	233 399	D
33621	Motor vehicle body and trailer manufacturing .....	-	6	5	932	30 341	612	1 139	21 468	84 468	145 309	233 399	D
336211	Motor vehicle body manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	-	3	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	46	16	864	25 147	679	1 282	17 316	54 663	25 702	80 292	2 245
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	3	36	10	514	15 666	417	763	10 861	33 177	15 133	48 148	843
33711	Wood kitchen cabinet and countertop manufacturing ....	1	26	5	332	9 628	291	505	7 669	19 171	10 482	29 477	603
337110	Wood kitchen cabinet and countertop manufacturing ..	1	26	5	332	9 628	291	505	7 669	19 171	10 482	29 477	603
3372	Office furniture (including fixtures) manufacturing .....	1	10	6	350	9 481	262	519	6 455	21 486	10 569	32 144	1 402
33721	Office furniture (including fixtures) manufacturing .....	1	10	6	350	9 481	262	519	6 455	21 486	10 569	32 144	1 402

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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<b>MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA—Con.</b>													
<b>St. Cloud, MN Metropolitan Statistical Area—Con.</b>													
339	Miscellaneous manufacturing .....	1	28	9	1 089	32 336	866	1 843	21 974	102 889	69 600	169 816	D
3391	Medical equipment and supplies manufacturing .....	1	14	8	1 009	29 449	808	1 737	20 516	94 197	67 076	158 636	D
33911	Medical equipment and supplies manufacturing .....	1	14	8	1 009	29 449	808	1 737	20 516	94 197	67 076	158 636	D
339113	Surgical appliance and supplies manufacturing ....	—	2	1	e	D	D	D	D	D	D	D	D
339115	Ophthalmic goods manufacturing .....	1	8	6	f	D	D	D	D	D	D	D	D
<b>WAUSAU-MERRILL, WI COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	292	120	20 598	729 523	16 013	30 939	508 585	1 916 051	2 252 936	4 181 976	148 330
311	Food manufacturing .....	—	29	9	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	13	8	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	13	8	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	—	10	6	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	47	17	5 586	162 640	4 322	8 150	108 856	393 138	413 156	808 391	18 999
3219	Other wood product manufacturing .....	2	32	15	i	D	D	D	D	D	D	D	D
32191	Millwork .....	3	20	10	4 526	129 509	3 591	6 617	88 544	291 205	280 518	570 670	10 290
321911	Wood window and door manufacturing .....	3	10	6	h	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring) .....	1	9	4	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
321992	Prefabricated wood building manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	12	9	h	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	4	4	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	3	3	g	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	22	7	e	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	1	22	7	e	D	D	D	D	D	D	D	D
32311	Printing .....	1	22	7	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	7	5	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	7	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	8	9	4	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	8	4	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	9	5	2	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing .....	9	3	1	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	9	3	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WAUSAU-MERRILL, WI COMBINED STATISTICAL AREA—Con.</b>													
331	Primary metal manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	-	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	67	31	5 134	185 290	3 749	6 989	118 296	418 676	320 054	743 447	28 968
3322	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ...	-	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	23	14	2 905	110 966	1 949	3 921	66 477	221 984	187 983	416 356	14 771
33231	Plate work and fabricated structural product manufacturing .....	-	9	6	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing .....	-	7	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	14	8	g	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	4	3	1 455	57 218	919	1 755	31 101	114 816	91 424	208 317	D
3324	Boiler, tank, and shipping container manufacturing .....	3	4	3	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	-	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
33281	Coating, engraving, heat treating, and allied activities ..	-	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	22	10	786	29 105	623	1 331	21 317	43 820	30 438	93 169	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	4	4	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	8	3	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	5	3	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	4	2	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	4	2	e	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	14	7	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	9	4	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	-	2	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	17	7	447	12 670	361	641	9 222	24 465	23 971	47 986	1 336

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WAUSAU-MERRILL, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Merrill, WI Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	59	26	3 458	114 754	2 826	5 588	85 941	346 066	315 579	680 924	47 756
321	Wood product manufacturing .....	—	15	5	1 231	35 769	1 006	2 015	27 114	97 162	110 972	209 004	4 081
3219	Other wood product manufacturing .....	—	11	4	g	D	D	D	D	D	D	D	D
32191	Millwork .....	—	9	4	1 047	29 765	851	1 703	22 309	72 040	77 330	149 269	3 450
321911	Wood window and door manufacturing .....	—	6	4	1 026	29 254	837	1 676	22 094	71 211	76 692	147 784	D
322	Paper manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	14	9	613	17 765	498	905	12 374	34 975	25 804	59 951	1 255
333	Machinery manufacturing .....	—	5	2	279	8 515	258	512	7 522	4 620	8 445	31 756	D
336	Transportation equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
<b>Wausau, WI Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	233	94	17 140	614 769	13 187	25 351	422 644	1 569 985	1 937 357	3 501 052	100 574
311	Food manufacturing .....	—	25	8	1 490	46 723	1 258	2 452	36 686	185 477	711 413	894 964	8 331
3115	Dairy product manufacturing .....	—	12	7	1 202	39 217	1 011	1 996	31 024	159 820	653 543	811 145	7 815
31151	Dairy product (except frozen) manufacturing .....	—	12	7	1 202	39 217	1 011	1 996	31 024	159 820	653 543	811 145	7 815
311513	Cheese manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	32	12	4 355	126 871	3 316	6 135	81 742	295 976	302 184	599 387	14 918
3219	Other wood product manufacturing .....	3	21	11	4 253	123 658	3 233	5 966	79 420	287 622	291 387	580 182	14 521
32191	Millwork .....	4	11	6	3 479	99 744	2 740	4 914	66 235	219 165	203 188	421 401	6 840
321911	Wood window and door manufacturing .....	5	4	2	h	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring) .....	1	7	4	e	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	3	3	588	19 862	347	759	10 472	59 019	80 196	140 326	D
321992	Prefabricated wood building manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	9	8	2 486	129 571	2 029	4 355	98 316	360 226	393 212	738 110	28 807
3221	Pulp, paper, and paperboard mills .....	—	3	3	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	3	3	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	4	4	725	33 059	598	1 316	25 015	96 010	115 187	203 918	D
322212	Folding paperboard box manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	8	8	4	601	20 398	470	946	16 121	58 034	31 729	87 964	2 344
3272	Glass and glass product manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	8	4	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	8	4	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	9	4	2	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing .....	9	3	1	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	9	3	1	e	D	D	D	D	D	D	D	D

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<b>WAUSAU-MERRILL, WI COMBINED STATISTICAL AREA—Con.</b>													
<b>Wausau, WI Metropolitan Statistical Area—Con.</b>													
331	Primary metal manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	—	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	53	22	4 521	167 525	3 251	6 084	105 922	383 701	294 250	683 496	27 713
3322	Cutlery and handtool manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ...	—	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	17	11	2 676	104 325	1 755	3 527	61 336	206 762	172 937	386 467	14 408
33231	Plate work and fabricated structural product manufacturing .....	—	7	5	402	14 370	281	570	9 417	27 102	33 693	63 331	D
332312	Fabricated structural metal manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	—	10	6	2 274	89 955	1 474	2 957	51 919	179 660	139 244	323 136	D
332321	Metal window and door manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	2 074
332322	Sheet metal work manufacturing .....	—	4	3	1 455	57 218	919	1 755	31 101	114 816	91 424	208 317	D
3328	Coating, engraving, heat treating, and allied activities .....	—	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
33281	Coating, engraving, heat treating, and allied activities ..	—	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	17	8	507	20 590	365	819	13 795	39 200	21 993	61 413	2 911
3339	Other general purpose machinery manufacturing .....	—	7	3	257	10 793	191	444	7 461	20 511	11 502	31 974	2 223
335	Electrical equipment, appliance, and component manufacturing .....	—	4	3	444	13 837	333	642	9 034	16 648	34 916	58 262	D
3353	Electrical equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	12	6	925	32 966	737	1 394	22 238	99 930	56 661	154 603	6 323
3363	Motor vehicle parts manufacturing .....	1	9	4	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	17	7	447	12 670	361	641	9 222	24 465	23 971	47 986	1 336

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	<b>DULUTH, MN-WI METROPOLITAN STATISTICAL AREA</b>												
31-33	Manufacturing .....	1	'329	'79	'8 270	'306 650	5 737	11 296	188 339	'870 311	'1 128 414	'1 964 328	'483 054
311	Food manufacturing .....	1	32	6	694	19 505	452	824	8 994	61 415	49 868	113 494	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	3	1	291	9 723	170	323	2 970	21 589	19 695	41 324	D
31141	Frozen food manufacturing ....	—	1	1	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	33	9	789	27 534	644	1 302	22 164	65 338	94 337	158 490	D
3212	Veneer, plywood, and engineered wood product manufacturing ....	—	7	3	419	17 177	342	720	14 672	37 875	51 628	89 513	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	—	7	3	419	17 177	342	720	14 672	37 875	51 628	89 513	D
321219	Reconstituted wood product manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	4	17	4	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	3	3	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	1	1	e	D	D	D	D	D	D	D	D
322122	Newsprint mills .....	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	32	5	318	8 953	239	385	5 606	'22 055	'10 534	32 662	D
3231	Printing and related support activities .....	1	32	5	318	8 953	239	385	5 606	'22 055	'10 534	32 662	D
32311	Printing .....	2	29	5	e	D	D	D	D	D	D	D	1 211
324	Petroleum and coal products manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	14	5	489	16 956	337	659	9 926	45 786	40 235	88 074	D
3259	Other chemical product and preparation manufacturing .....	—	3	2	335	11 003	224	465	6 219	30 057	22 633	53 458	D
32599	All other chemical product and preparation manufacturing ...	—	2	2	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	—	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	2	16	4	254	8 099	188	365	4 898	29 611	27 598	56 989	D
327	Nonmetallic mineral product manufacturing .....	1	25	7	762	31 611	629	1 282	25 060	86 224	78 893	166 678	D
3279	Other nonmetallic mineral product manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing .	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	7	4	278	10 683	221	473	7 450	34 635	46 063	79 172	D
332	Fabricated metal product manufacturing .....	3	54	11	855	30 633	608	1 243	18 795	47 689	53 226	105 708	D
333	Machinery manufacturing .....	2	25	9	667	27 084	391	744	12 855	56 349	53 845	113 165	D
334	Computer and electronic product manufacturing .....	'4	'10	'5	'915	'25 804	585	1 170	11 357	'52 760	'57 738	'111 019	D
3344	Semiconductor and other electronic component manufacturing .....	4	4	4	878	24 538	569	1 151	11 073	50 906	56 499	107 917	D
33441	Semiconductor and other electronic component manufacturing .....	4	4	4	878	24 538	569	1 151	11 073	50 906	56 499	107 917	D
334412	Bare printed circuit board manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>DULUTH, MN-WI METROPOLITAN STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing .....	1	9	2	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
<b>GREEN BAY, WI METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	556	225	29 645	1 138 767	22 545	44 308	772 245	4 364 454	4 001 169	8 280 993	232 003
311	Food manufacturing .....	—	83	29	5 857	191 994	4 597	9 776	128 322	633 684	1 539 981	2 130 015	39 854
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	8	5	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	1	6	5	1 168	42 544	612	1 408	14 134	96 593	101 183	195 735	5 026
311421	Fruit and vegetable canning .....	1	6	5	1 168	42 544	612	1 408	14 134	96 593	101 183	195 735	5 026
3115	Dairy product manufacturing .....	—	21	12	1 551	57 353	1 287	2 417	43 750	291 443	633 521	896 857	23 914
31151	Dairy product (except frozen) manufacturing .....	—	19	11	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	—	17	9	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	10	5	2 326	70 657	2 060	4 699	55 197	186 776	752 362	926 658	6 042
31161	Animal slaughtering and processing .....	—	10	5	2 326	70 657	2 060	4 699	55 197	186 776	752 362	926 658	6 042
311611	Animal (except poultry) slaughtering .....	—	7	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	1	29	4	343	8 220	261	466	5 384	22 157	15 833	36 961	3 011
3119	Other food manufacturing .....	—	5	1	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	—	3	1	e	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	43	18	1 368	38 585	1 042	1 975	24 949	84 042	72 577	158 742	3 732
3212	Veneer, plywood, and engineered wood product manufacturing .....	1	6	4	390	12 852	280	648	7 803	28 837	19 364	47 794	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	1	6	4	390	12 852	280	648	7 803	28 837	19 364	47 794	D
3219	Other wood product manufacturing .....	—	32	12	912	23 420	708	1 216	15 414	51 644	46 287	99 149	2 482
32191	Millwork .....	—	11	6	567	16 854	444	811	10 912	38 681	31 976	71 049	1 618
321911	Wood window and door manufacturing .....	—	6	3	461	13 647	365	641	9 136	32 886	27 701	60 970	D
322	Paper manufacturing .....	—	33	29	7 557	359 731	6 280	12 495	283 806	2 342 114	1 325 290	3 630 621	128 587
3221	Pulp, paper, and paperboard mills .....	—	9	9	4 730	244 399	4 077	8 101	204 526	1 891 253	788 310	2 647 988	110 524
32212	Paper mills .....	—	5	5	4 401	228 809	3 850	7 588	194 847	1 830 385	714 709	2 513 136	108 030
322121	Paper (except newsprint) mills .....	—	5	5	4 401	228 809	3 850	7 588	194 847	1 830 385	714 709	2 513 136	108 030
32213	Paperboard mills .....	1	3	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	1	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	24	20	2 827	115 332	2 203	4 394	79 280	450 861	536 980	982 633	18 063
32221	Paperboard container manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	6	5	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	—	4	3	444	18 689	311	612	11 660	60 923	135 131	194 586	D
32229	Other converted paper product manufacturing .....	—	13	11	1 724	69 527	1 410	2 820	49 884	325 089	299 013	620 252	15 112
322291	Sanitary paper product manufacturing .....	—	11	10	g	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>GREEN BAY, WI METROPOLITAN STATISTICAL AREA—Con.</b>													
323	Printing and related support activities .....	2	60	20	2 730	96 374	2 136	3 555	69 053	262 454	201 453	464 058	20 388
3231	Printing and related support activities .....	2	60	20	2 730	96 374	2 136	3 555	69 053	262 454	201 453	464 058	20 388
32311	Printing .....	2	56	18	2 633	93 017	2 063	3 468	67 007	255 525	198 373	454 035	19 782
323110	Commercial lithographic printing .....	1	21	6	573	20 037	397	677	11 343	35 982	23 940	59 708	4 536
323112	Commercial flexographic printing .....	2	8	8	1 746	64 985	1 469	2 433	51 065	205 045	162 685	367 531	12 765
326	Plastics and rubber products manufacturing .....	3	18	10	682	22 722	507	1 002	15 043	55 174	48 109	102 656	3 953
3261	Plastics product manufacturing ..	3	16	9	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	4	6	4	300	11 669	233	447	8 046	33 372	33 613	66 995	3 056
327	Nonmetallic mineral product manufacturing .....	1	25	8	406	15 972	356	761	13 243	49 484	39 634	89 063	3 211
3273	Cement and concrete product manufacturing .....	—	16	7	319	12 874	282	615	10 859	39 861	28 014	67 858	2 154
331	Primary metal manufacturing .....	1	4	4	365	11 710	285	575	8 352	31 617	75 795	106 644	1 499
332	Fabricated metal product manufacturing .....	1	93	30	2 287	81 257	1 729	3 347	52 093	164 453	85 119	249 790	6 442
3321	Forging and stamping.....	—	4	3	279	9 307	175	318	4 086	16 571	12 718	29 441	941
33211	Forging and stamping.....	—	4	3	279	9 307	175	318	4 086	16 571	12 718	29 441	941
3323	Architectural and structural metals manufacturing .....	1	17	5	275	9 575	199	394	6 200	19 270	15 659	35 027	661
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	39	12	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	37	11	684	25 766	517	950	17 326	51 391	27 062	78 609	2 365
332710	Machine shops .....	2	37	11	684	25 766	517	950	17 326	51 391	27 062	78 609	2 365
3328	Coating, engraving, heat treating, and allied activities .....	3	9	3	472	14 240	410	854	10 834	28 724	9 374	38 104	528
33281	Coating, engraving, heat treating, and allied activities ..	3	9	3	472	14 240	410	854	10 834	28 724	9 374	38 104	528
332813	Electroplating, plating, polishing, anodizing, and coloring .....	—	3	2	364	9 837	324	678	7 704	21 598	4 175	25 779	321
333	Machinery manufacturing .....	—	69	32	3 413	167 502	1 773	3 558	76 146	332 315	248 111	577 617	8 947
3332	Industrial machinery manufacturing .....	1	31	17	1 711	91 877	783	1 667	38 477	165 727	123 984	286 608	6 583
33329	Other industrial machinery manufacturing .....	1	29	15	g	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	—	11	7	1 142	66 852	488	1 065	27 807	115 069	87 693	200 076	5 205
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	—	15	8	845	35 711	562	1 053	21 326	58 852	48 263	106 547	1 214
33392	Material handling equipment manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	—	13	6	e	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing .....	—	6	5	449	21 793	237	457	10 209	36 969	30 963	67 518	469
336	Transportation equipment manufacturing .....	—	8	5	g	D	D	D	D	D	D	D	2 378
3366	Ship and boat building .....	—	4	3	g	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	4	3	g	D	D	D	D	D	D	D	D
336612	Boat building .....	—	3	3	g	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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<b>GREEN BAY, WI METROPOLITAN STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	1	44	18	1 854	52 549	1 496	2 789	37 544	174 758	96 592	269 966	4 521
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	2	39	15	g	D	D	D	D	D	D	D	3 158
33711	Wood kitchen cabinet and countertop manufacturing ....	—	29	11	859	23 201	666	1 163	15 365	41 591	20 739	62 150	1 155
337110	Wood kitchen cabinet and countertop manufacturing ..	—	29	11	859	23 201	666	1 163	15 365	41 591	20 739	62 150	1 155
33712	Household and institutional furniture manufacturing .....	3	10	4	e	D	D	D	D	D	D	D	2 003
337125	Household furniture (except wood and metal) manufacturing .....	3	2	2	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
337214	Office furniture (except wood) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	—	24	6	538	16 342	391	795	9 305	32 080	18 852	51 511	3 101
3391	Medical equipment and supplies manufacturing .....	1	9	2	264	7 900	204	462	4 979	15 012	7 415	22 428	445
33911	Medical equipment and supplies manufacturing .....	1	9	2	264	7 900	204	462	4 979	15 012	7 415	22 428	445
3399	Other miscellaneous manufacturing .....	—	15	4	274	8 442	187	333	4 326	17 068	11 437	29 083	2 656
<b>IRON MOUNTAIN, MI-WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	61	21	2 519	97 701	2 050	4 052	73 819	354 612	320 968	682 059	15 342
321	Wood product manufacturing .....	—	13	8	625	17 691	534	1 013	13 790	44 530	60 685	104 454	3 494
3219	Other wood product manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	2	2	e	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	2	2	e	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	5	3	326	12 445	290	622	10 975	37 299	30 533	67 778	D
<b>JANESVILLE, WI METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	238	77	14 994	741 988	11 535	22 931	543 334	5 753 424	5 979 893	11 707 164	67 629
311	Food manufacturing .....	—	18	9	1 612	51 027	1 254	2 494	37 505	534 324	214 523	746 507	18 385
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	—	2	1	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	—	2	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	2	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	2	1	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
313	Textile mills .....	—	4	3	e	D	D	D	D	D	D	D	1 297
3132	Fabric mills .....	—	4	3	e	D	D	D	D	D	D	D	1 297

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	<b>JANESVILLE, WI METROPOLITAN STATISTICAL AREA—Con.</b>												
325	Chemical manufacturing .....	5	17	7	536	28 850	327	684	16 865	119 482	161 227	273 063	7 940
3251	Basic chemical manufacturing ...	5	3	3	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	5	3	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	5	3	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	9	5	743	22 340	587	823	13 062	65 424	77 024	138 513	3 309
3261	Plastics product manufacturing ..	—	9	5	743	22 340	587	823	13 062	65 424	77 024	138 513	3 309
32619	Other plastics product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	4	3	399	18 254	302	582	12 579	51 933	71 350	121 043	2 379
3312	Steel product manufacturing from purchased steel .....	—	2	2	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	2	2	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	56	14	1 249	46 557	887	1 771	26 270	147 053	106 919	251 445	6 206
3323	Architectural and structural metals manufacturing .....	—	6	3	287	10 586	179	413	5 474	24 922	30 849	55 424	420
33231	Plate work and fabricated structural product manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	—	12	2	363	15 125	228	411	6 191	60 438	28 540	86 332	3 230
33299	All other fabricated metal product manufacturing .....	—	12	2	363	15 125	228	411	6 191	60 438	28 540	86 332	3 230
332993	Ammunition (except small arms) manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	27	13	1 546	71 989	800	1 457	27 720	129 684	147 346	272 044	6 119
3332	Industrial machinery manufacturing .....	1	6	4	373	15 741	152	328	4 030	34 032	25 253	56 946	D
33329	Other industrial machinery manufacturing .....	1	4	3	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	—	8	2	444	23 654	210	320	8 099	6 551	28 269	52 213	899
33351	Metalworking machinery manufacturing .....	—	8	2	444	23 654	210	320	8 099	6 551	28 269	52 213	899
333518	Other metalworking machinery manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	499	22 803	319	568	11 471	65 055	57 446	102 151	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	499	22 803	319	568	11 471	65 055	57 446	102 151	D
333618	Other engine equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	12	5	i	D	D	D	D	D	D	D	15 616
3361	Motor vehicle manufacturing .....	—	2	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	2	1	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing ....	—	2	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>JANESVILLE, WI METROPOLITAN STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	-	9	3	538	20 290	357	723	10 804	101 727	66 259	168 092	1 453
3372	Office furniture (including fixtures) manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	23	4	f	D	D	D	D	D	D	D	960
3399	Other miscellaneous manufacturing .....	-	11	3	e	D	D	D	D	D	D	D	905
33992	Sporting and athletic goods manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
<b>LA CROSSE, WI-MN METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	200	66	9 307	306 843	6 522	12 220	169 006	630 603	871 329	1 500 271	47 349
311	Food manufacturing .....	-	20	9	703	21 538	496	972	13 685	79 323	233 432	315 410	13 269
3115	Dairy product manufacturing .....	-	4	4	418	13 181	340	688	9 681	55 301	207 802	266 049	D
31151	Dairy product (except frozen) manufacturing .....	-	4	4	418	13 181	340	688	9 681	55 301	207 802	266 049	D
311513	Cheese manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing .....	-	5	2	360	13 330	292	524	9 647	33 549	31 542	64 760	D
3121	Beverage manufacturing .....	-	5	2	360	13 330	292	524	9 647	33 549	31 542	64 760	D
31212	Breweries .....	-	2	1	e	D	D	D	D	D	D	D	D
312120	Breweries .....	-	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	15	8	1 177	26 931	960	1 661	16 696	55 301	67 645	116 851	3 125
3211	Sawmills and wood preservation .....	-	3	1	e	D	D	D	D	D	D	D	D
32111	Sawmills and wood preservation .....	-	3	1	e	D	D	D	D	D	D	D	D
321113	Sawmills .....	-	3	1	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	10	5	f	D	D	D	D	D	D	D	2 157
32191	Millwork .....	-	4	4	538	12 388	462	1 002	8 767	28 325	32 421	59 547	1 959
321911	Wood window and door manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	28	9	1 324	38 616	1 107	2 018	25 765	74 933	51 842	126 125	5 314
3231	Printing and related support activities .....	-	28	9	1 324	38 616	1 107	2 018	25 765	74 933	51 842	126 125	5 314
32311	Printing .....	-	26	9	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing .....	-	8	5	894	22 689	777	1 365	15 605	40 859	18 926	59 337	2 380
332	Fabricated metal product manufacturing .....	-	32	11	964	32 758	765	1 395	23 605	84 583	96 643	180 995	2 464
3324	Boiler, tank, and shipping container manufacturing .....	-	4	2	328	14 892	256	454	10 825	47 714	67 358	115 100	954
333	Machinery manufacturing .....	-	16	6	2 905	122 307	1 454	2 811	44 746	186 420	289 261	479 609	12 800
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	5	3	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	5	3	h	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	4	2	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	8	4	736	17 284	571	1 106	11 794	36 701	28 723	65 254	D
3363	Motor vehicle parts manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	3	3	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	3	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>MANITOWOC, WI MICROPOLITAN STATISTICAL AREA</b>												
31-33	Manufacturing .....	-	193	90	12 376	443 069	9 315	17 183	286 486	1 238 392	1 194 572	2 426 759	61 851
311	Food manufacturing .....	-	22	13	1 588	50 464	1 202	2 070	31 901	196 316	340 586	541 893	10 587
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	6	5	f	D	D	D	D	D	D	D	4 879
31151	Dairy product (except frozen) manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	4	3	543	16 290	487	804	14 015	81 585	224 806	311 709	D
321	Wood product manufacturing .....	2	11	5	361	11 029	272	547	6 972	23 407	16 514	38 169	1 412
3219	Other wood product manufacturing .....	-	5	3	260	8 174	195	382	4 881	15 890	8 606	24 592	D
325	Chemical manufacturing .....	2	7	4	e	D	D	D	D	D	D	D	1 661
326	Plastics and rubber products manufacturing .....	3	11	6	e	D	D	D	D	D	D	D	5 977
3261	Plastics product manufacturing ..	1	10	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	8	5	318	10 142	270	553	7 328	28 632	33 835	62 268	5 497
326199	All other plastics product manufacturing .....	1	8	5	318	10 142	270	553	7 328	28 632	33 835	62 268	5 497
327	Nonmetallic mineral product manufacturing .....	-	13	4	316	13 250	249	538	9 483	25 213	29 208	54 348	2 042
331	Primary metal manufacturing .....	-	6	3	759	27 311	637	1 334	21 867	51 027	33 719	83 614	D
3315	Foundries .....	-	6	3	759	27 311	637	1 334	21 867	51 027	33 719	83 614	D
33152	Nonferrous metal foundries .....	-	4	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	45	20	2 660	93 645	2 125	3 492	64 193	301 704	164 379	470 588	14 771
3322	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	20	5	501	16 593	393	819	10 928	37 414	15 749	51 711	D
33271	Machine shops .....	-	17	4	443	15 382	351	759	10 107	34 324	15 019	47 751	5 392
332710	Machine shops .....	-	17	4	443	15 382	351	759	10 107	34 324	15 019	47 751	5 392
3329	Other fabricated metal product manufacturing .....	-	6	5	684	24 924	554	1 085	18 304	47 181	22 838	68 426	2 459
33291	Metal valve manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	21	12	1 879	80 304	1 094	1 824	41 400	261 688	206 045	453 749	7 773
3331	Agriculture, construction, and mining machinery manufacturing .....	-	4	3	811	36 445	467	763	18 675	133 541	106 804	226 449	4 355
33312	Construction machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	2	5	3	352	12 609	210	349	5 916	22 245	14 130	38 110	465
33329	Other industrial machinery manufacturing .....	2	5	3	352	12 609	210	349	5 916	22 245	14 130	38 110	465
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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<b>MANITOWOC, WI MICROPOLITAN STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing .....	-	6	4	992	36 399	814	1 524	25 999	72 567	54 661	125 525	8 270
3363	Motor vehicle parts manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	9	5	722	21 753	596	1 204	15 948	72 618	50 368	122 421	802
3372	Office furniture (including fixtures) manufacturing .....	-	5	4	602	19 106	500	1 050	14 146	66 961	46 439	112 791	D
33721	Office furniture (including fixtures) manufacturing .....	-	5	4	602	19 106	500	1 050	14 146	66 961	46 439	112 791	D
337214	Office furniture (except wood) manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	10	4	1 500	57 141	1 108	2 136	36 831	111 501	76 905	187 735	3 980
3391	Medical equipment and supplies manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	9	3	e	D	D	D	D	D	D	D	D
<b>MARINETTE, WI-MI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	159	50	8 295	303 149	6 458	12 805	207 704	958 763	898 679	1 865 646	56 562
321	Wood product manufacturing .....	2	38	8	629	16 407	528	965	12 307	29 037	55 558	90 489	3 822
3219	Other wood product manufacturing .....	1	16	2	290	7 088	244	449	5 017	15 166	28 024	43 187	2 578
322	Paper manufacturing .....	-	5	5	1 158	58 178	936	1 815	43 793	303 360	270 565	582 581	9 026
3221	Pulp, paper, and paperboard mills .....	-	5	5	1 158	58 178	936	1 815	43 793	303 360	270 565	582 581	9 026
32212	Paper mills .....	1	4	4	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	1	4	4	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	5	3	281	8 309	232	422	5 184	33 790	7 167	41 038	D
3261	Plastics product manufacturing ..	-	5	3	281	8 309	232	422	5 184	33 790	7 167	41 038	D
331	Primary metal manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	5	4	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	3	3	g	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	29	5	608	18 677	440	934	12 620	27 735	22 472	48 480	2 563
333	Machinery manufacturing .....	-	18	7	891	25 865	677	1 189	17 366	99 012	101 414	201 638	7 082
3333	Commercial and service industry machinery manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	8	7	2 073	78 949	1 652	3 240	52 564	165 534	214 383	373 910	23 062
3363	Motor vehicle parts manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	-	2	2	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	-	2	2	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	-	1	1	f	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MARINETTE, WI-MI MICROPOLITAN STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	1	9	4	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	6	2	441	13 099	346	728	9 116	34 090	18 092	52 307	D
33712	Household and institutional furniture manufacturing .....	1	5	2	e	D	D	D	D	D	D	D	D
337125	Household furniture (except wood and metal) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>MONROE, WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	78	17	1 923	58 790	1 575	3 072	42 626	224 695	298 731	527 819	D
311	Food manufacturing .....	1	27	7	654	19 272	541	1 110	14 260	109 444	180 615	291 613	D
3115	Dairy product manufacturing .....	1	16	4	417	13 129	342	699	9 727	82 339	152 173	235 724	4 962
31151	Dairy product (except frozen) manufacturing .....	1	16	4	417	13 129	342	699	9 727	82 339	152 173	235 724	4 962
311513	Cheese manufacturing .....	1	15	4	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	7	7	3	262	7 265	205	375	4 748	29 987	13 502	43 262	D
<b>PLATTEVILLE, WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	67	26	2 769	73 487	2 346	4 138	54 308	375 903	405 214	784 878	16 687
311	Food manufacturing .....	1	15	6	381	7 929	313	432	5 552	16 881	105 436	124 473	1 887
326	Plastics and rubber products manufacturing .....	—	5	3	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	4	3	e	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	12	4	283	8 114	229	467	6 160	18 375	26 223	44 730	3 136
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	10	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
335311	Power, distribution, and specialty transformer manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33591	Battery manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
335912	Primary battery manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>SHEBOYGAN, WI METROPOLITAN STATISTICAL AREA</b>												
31-33	Manufacturing .....	1	242	112	20 115	763 054	15 079	30 317	483 145	2 212 591	2 236 309	4 504 932	103 418
311	Food manufacturing .....	-	31	16	2 833	115 743	1 991	3 721	62 404	533 767	759 398	1 294 169	14 230
3115	Dairy product manufacturing .....	-	12	8	1 772	72 657	1 263	2 353	40 542	289 544	629 257	921 100	9 993
31151	Dairy product (except frozen) manufacturing .....	-	11	8	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	8	6	1 589	65 400	1 161	2 135	36 654	257 648	596 733	856 672	9 025
3116	Animal slaughtering and processing .....	1	5	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	1	5	3	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	1	3	3	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
3151	Apparel knitting mills .....	-	1	1	e	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills .....	-	1	1	e	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills .....	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	11	7	1 849	61 615	1 419	2 679	41 747	60 439	120 427	201 624	5 695
3219	Other wood product manufacturing .....	-	10	6	g	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
3222	Converted paper product manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
32221	Paperboard container manufacturing .....	-	4	3	e	D	D	D	D	D	D	D	1 372
32229	Other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	23	7	887	28 531	701	1 461	19 313	56 944	42 470	99 192	5 076
3231	Printing and related support activities .....	-	23	7	887	28 531	701	1 461	19 313	56 944	42 470	99 192	5 076
32311	Printing .....	-	20	7	870	27 939	689	1 446	18 941	55 741	41 771	97 288	5 040
323110	Commercial lithographic printing .....	-	6	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	11	4	680	26 115	475	987	17 623	80 329	104 703	191 195	6 648
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	19	17	1 990	71 651	1 566	3 169	50 197	184 019	147 925	331 111	5 006
3261	Plastics product manufacturing ..	1	19	17	1 990	71 651	1 566	3 169	50 197	184 019	147 925	331 111	5 006
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	-	5	5	290	9 464	225	337	5 982	22 356	21 669	43 935	596
326121	Unlaminated plastics profile shape manufacturing .....	1	4	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	11	9	1 352	50 412	1 058	2 250	36 090	125 391	85 621	210 570	2 172
326199	All other plastics product manufacturing .....	-	11	9	1 352	50 412	1 058	2 250	36 090	125 391	85 621	210 570	2 172
327	Nonmetallic mineral product manufacturing .....	-	9	5	795	31 360	656	1 519	24 992	96 823	37 050	133 743	D
3271	Clay product and refractory manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>SHEBOYGAN, WI METROPOLITAN STATISTICAL AREA—Con.</b>													
331	Primary metal manufacturing .....	-	11	9	2 021	81 920	1 750	3 694	64 828	222 677	240 911	463 125	16 709
3315	Foundries .....	-	10	8	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	-	8	6	g	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	3	3	928	38 537	833	1 792	32 057	116 071	168 290	285 564	D
331524	Aluminum foundries (except die-casting) .....	-	4	3	904	35 531	760	1 598	26 895	92 634	66 218	157 145	D
332	Fabricated metal product manufacturing .....	-	42	11	2 532	101 647	1 932	4 046	67 911	311 174	142 819	478 423	9 929
3322	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	11	3	273	9 155	223	479	5 927	24 821	15 130	39 949	D
33232	Ornamental and architectural metal products manufacturing .....	-	10	3	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	6	2	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	6	2	g	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	6	30	10	2 684	105 991	1 655	3 228	52 252	319 882	299 322	620 835	13 656
3332	Industrial machinery manufacturing .....	-	6	2	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	-	5	1	e	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	3	10	4	913	35 129	461	801	11 960	116 087	82 917	196 597	4 328
33391	Pump and compressor manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	6	7	3	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>SHEBOYGAN, WI METROPOLITAN STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	-	20	9	900	30 010	722	1 542	21 072	71 030	39 436	111 516	1 626
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	16	5	576	17 395	517	1 111	15 247	37 545	23 281	61 338	681
33712	Household and institutional furniture manufacturing .....	-	10	5	565	17 131	507	1 097	15 055	37 108	22 914	60 530	656
337122	Nonupholstered wood household furniture manufacturing .....	-	7	3	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	-	4	4	324	12 615	205	431	5 825	33 485	16 155	50 178	945
33721	Office furniture (including fixtures) manufacturing .....	-	4	4	324	12 615	205	431	5 825	33 485	16 155	50 178	945
339	Miscellaneous manufacturing .....	-	14	5	569	19 749	436	881	11 054	69 894	15 262	84 757	1 287
3391	Medical equipment and supplies manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
339114	Dental equipment and supplies manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	11	4	e	D	D	D	D	D	D	D	D
<b>STEVENS POINT, WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	81	30	4 778	174 394	3 936	7 754	124 161	542 866	608 710	1 145 750	33 787
311	Food manufacturing .....	1	12	9	1 799	56 549	1 599	3 333	45 446	157 940	227 849	385 815	8 210
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	6	6	1 679	53 385	1 517	3 202	43 273	151 361	210 880	362 259	D
31141	Frozen food manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	3	3	3	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	4	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	3	3	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	3	3	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
3231	Printing and related support activities .....	-	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
32311	Printing .....	-	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
323117	Books printing .....	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	14	6	516	18 493	389	746	12 073	40 479	52 830	94 123	1 109
339	Miscellaneous manufacturing .....	-	9	1	298	9 224	209	428	5 408	25 478	24 625	50 243	830
3391	Medical equipment and supplies manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D

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**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
	<b>WATERTOWN-FORT ATKINSON, WI MICROPOLITAN STATISTICAL AREA</b>												
31-33	Manufacturing .....	-	160	80	11 171	394 290	8 255	15 973	246 101	1 280 233	1 655 974	2 947 757	71 871
311	Food manufacturing .....	-	17	11	2 100	75 834	1 739	3 600	58 157	423 817	397 134	818 116	10 950
3111	Animal food manufacturing .....	-	4	2	e	D	D	D	D	D	D	D	1 636
31111	Animal food manufacturing ....	-	4	2	e	D	D	D	D	D	D	D	1 636
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	5	5	1 308	47 797	1 082	2 235	35 969	151 234	174 261	325 640	5 625
31161	Animal slaughtering and processing .....	-	5	5	1 308	47 797	1 082	2 235	35 969	151 234	174 261	325 640	5 625
311612	Meat processed from carcasses .....	-	3	3	g	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	10	3	932	29 249	781	1 452	21 767	61 162	29 426	89 928	2 258
3231	Printing and related support activities .....	-	10	3	932	29 249	781	1 452	21 767	61 162	29 426	89 928	2 258
32311	Printing .....	-	9	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	7	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	4	4	370	16 162	270	492	9 170	68 643	48 784	117 350	4 278
326	Plastics and rubber products manufacturing .....	2	13	7	624	18 290	535	1 099	13 920	49 345	30 610	78 381	3 137
3261	Plastics product manufacturing ..	2	13	7	624	18 290	535	1 099	13 920	49 345	30 610	78 381	3 137
32619	Other plastics product manufacturing .....	-	7	3	401	10 901	347	712	8 255	24 989	5 473	30 572	884
326199	All other plastics product manufacturing .....	-	6	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	32	16	1 419	49 617	1 138	2 080	34 335	147 512	159 226	306 027	6 394
3321	Forging and stamping.....	5	4	4	444	14 153	349	651	8 730	26 776	19 961	45 780	1 113
33211	Forging and stamping.....	5	4	4	444	14 153	349	651	8 730	26 776	19 961	45 780	1 113
332116	Metal stamping .....	5	4	4	444	14 153	349	651	8 730	26 776	19 961	45 780	1 113
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	18	8	591	19 689	483	845	13 793	49 183	26 819	72 410	3 249
33271	Machine shops .....	2	14	5	289	11 019	217	393	6 722	21 626	13 549	35 070	796
332710	Machine shops .....	2	14	5	289	11 019	217	393	6 722	21 626	13 549	35 070	796
33272	Turned product and screw, nut, and bolt manufacturing .....	-	4	3	302	8 670	266	452	7 071	27 557	13 270	37 340	2 453
333	Machinery manufacturing .....	3	23	17	1 552	61 297	955	1 933	29 836	131 915	159 993	293 710	15 714
3331	Agriculture, construction, and mining machinery manufacturing .....	5	4	4	530	19 663	366	809	11 925	30 901	70 640	104 821	12 540
33311	Agricultural implement manufacturing .....	5	4	4	530	19 663	366	809	11 925	30 901	70 640	104 821	12 540
333111	Farm machinery and equipment manufacturing ..	6	3	3	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	-	6	5	308	11 834	199	360	6 506	36 196	26 380	63 612	1 096
3339	Other general purpose machinery manufacturing .....	5	4	4	295	12 742	157	304	5 086	22 065	19 772	41 710	645
33399	All other general purpose machinery manufacturing ....	6	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WATERTOWN-FORT ATKINSON, WI MICROPOLITAN STATISTICAL AREA—Con.</b>													
334	Computer and electronic product manufacturing .....	-	7	4	785	29 935	559	1 042	15 732	40 612	96 976	142 055	2 974
3344	Semiconductor and other electronic component manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	5	2	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	5	2	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	-	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	5	1	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	13	5	1 011	31 363	789	1 343	18 276	73 336	60 691	134 266	3 458
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	6	6	2	e	D	D	D	D	D	D	D	1 193
33712	Household and institutional furniture manufacturing .....	5	5	2	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	1	6	2	539	17 963	429	662	10 353	49 544	41 124	90 976	D
33721	Office furniture (including fixtures) manufacturing .....	1	6	2	539	17 963	429	662	10 353	49 544	41 124	90 976	D
337214	Office furniture (except wood) manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
<b>WHITEWATER, WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	219	82	10 381	382 716	7 227	14 416	210 811	1 303 832	992 608	2 319 170	62 976
311	Food manufacturing .....	-	18	4	858	31 671	617	1 401	18 067	210 092	161 929	370 713	18 709
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	10	3	333	10 999	278	633	8 565	25 482	21 131	46 237	296

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WHITEWATER, WI MICROPOLITAN STATISTICAL AREA—Con.</b>													
326	Plastics and rubber products manufacturing .....	1	19	11	1 260	42 104	883	1 815	23 616	103 944	85 041	189 748	3 303
3261	Plastics product manufacturing ..	1	16	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	2	10	6	538	12 040	376	672	6 827	38 700	24 351	63 275	1 434
326199	All other plastics product manufacturing .....	2	10	6	538	12 040	376	672	6 827	38 700	24 351	63 275	1 434
3262	Rubber product manufacturing ...	1	3	2	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	1	2	2	e	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	1	2	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	13	3	324	12 722	275	612	9 912	26 421	19 254	45 196	1 506
3279	Other nonmetallic mineral product manufacturing .....	-	4	2	257	10 363	222	494	8 107	18 728	12 279	30 531	648
331	Primary metal manufacturing .....	-	8	6	516	18 754	351	702	12 557	39 128	25 894	64 839	716
3315	Foundries .....	-	7	5	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	47	16	1 340	50 282	1 060	2 147	34 422	113 925	77 765	190 123	7 890
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	18	6	591	20 441	481	920	14 687	48 798	24 267	72 808	1 754
33271	Machine shops .....	2	12	3	362	11 375	289	527	8 133	25 430	14 785	40 307	1 092
332710	Machine shops .....	2	12	3	362	11 375	289	527	8 133	25 430	14 785	40 307	1 092
333	Machinery manufacturing .....	2	24	11	1 939	85 324	1 124	2 244	41 402	240 493	248 365	505 789	7 857
3339	Other general purpose machinery manufacturing .....	2	9	7	1 572	70 909	911	1 821	34 702	227 416	215 199	441 589	6 577
33391	Pump and compressor manufacturing .....	2	2	2	g	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	2	2	2	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	594
3353	Electrical equipment manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	11	7	1 860	64 455	1 322	2 318	28 432	380 550	217 523	598 176	18 227
3363	Motor vehicle parts manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	16	4	375	13 579	244	498	5 973	31 324	35 761	67 174	1 130
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	2	9	3	261	9 797	172	333	4 454	24 072	31 346	55 421	893
339	Miscellaneous manufacturing .....	-	13	5	496	18 302	353	707	8 998	50 939	21 534	73 519	692
3399	Other miscellaneous manufacturing .....	-	11	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WISCONSIN RAPIDS-MARSHFIELD, WI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	138	50	8 395	349 476	6 731	12 609	252 351	1 021 921	1 324 912	2 325 811	64 938
311	Food manufacturing .....	-	22	13	1 004	34 642	867	1 710	28 373	130 141	352 709	474 961	6 563
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	4	3	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	4	3	e	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	3	3	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	12	9	681	25 919	592	1 190	21 830	117 761	334 946	444 818	5 118
31151	Dairy product (except frozen) manufacturing .....	-	11	9	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	9	8	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	16	9	2 053	63 184	1 637	2 916	42 478	132 425	147 313	277 748	7 721
3219	Other wood product manufacturing .....	-	12	6	1 773	54 677	1 425	2 481	36 519	110 892	125 125	234 228	7 118
32191	Millwork .....	-	4	2	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	-	5	4	1 001	29 432	836	1 431	20 327	60 250	64 368	124 725	5 513
321991	Manufactured home (mobile home) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
321992	Prefabricated wood building manufacturing .....	-	3	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	9	8	h	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	5	5	h	D	D	D	D	D	D	D	D
32211	Pulp mills .....	-	1	1	e	D	D	D	D	D	D	D	D
322110	Pulp mills .....	-	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	4	4	h	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	4	4	h	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	4	3	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	21	6	256	9 880	162	320	5 136	23 553	18 407	42 093	1 098

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: e-250 to 499 employees; f-500 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Industry Statistics for Counties: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>ASHLAND</b>													
31-33	Manufacturing .....	-	31	13	1 274	36 876	956	1 906	23 672	66 933	61 699	129 479	4 895
321	Wood product manufacturing .....	1	11	7	634	14 703	569	1 129	12 096	30 792	41 701	72 892	4 393
<b>BARRON</b>													
31-33	Manufacturing .....	1	95	30	6 304	184 854	4 917	9 600	132 301	474 578	500 519	972 685	19 687
311	Food manufacturing .....	-	14	7	2 618	71 281	2 016	4 136	55 144	177 926	275 608	452 861	6 396
3116	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing .....	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	7	6	4	559	16 402	441	857	10 760	35 214	22 740	58 101	1 949
3261	Plastics product manufacturing ..	7	6	4	559	16 402	441	857	10 760	35 214	22 740	58 101	1 949
332	Fabricated metal product manufacturing .....	-	9	5	856	27 198	701	1 343	19 916	74 768	64 395	138 271	2 043
333	Machinery manufacturing .....	-	12	6	825	25 987	538	1 001	13 844	57 141	57 735	117 979	2 551
<b>BROWN</b>													
31-33	Manufacturing .....	-	442	181	24 991	996 917	18 808	37 456	671 125	4 066 544	3 572 967	7 554 069	207 197
311	Food manufacturing .....	-	61	24	5 247	171 486	4 064	8 726	111 849	622 390	1 342 458	1 924 695	27 182
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	6	3	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	4	3	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	4	3	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	15	9	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	-	13	8	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	11	6	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	8	5	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	8	5	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	7	4	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	24	9	536	15 935	397	916	10 376	32 753	34 969	68 036	1 727
322	Paper manufacturing .....	-	31	27	i	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	9	9	4 730	244 399	4 077	8 101	204 526	1 891 253	788 310	2 647 988	110 524
32212	Paper mills .....	-	5	5	4 401	228 809	3 850	7 588	194 847	1 830 385	714 709	2 513 136	108 030
322121	Paper (except newsprint) mills .....	-	5	5	4 401	228 809	3 850	7 588	194 847	1 830 385	714 709	2 513 136	108 030
3222	Converted paper product manufacturing .....	-	22	18	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	6	5	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	-	11	9	g	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	-	9	8	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	53	16	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	2	53	16	g	D	D	D	D	D	D	D	D
32311	Printing .....	2	49	14	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	1	19	6	f	D	D	D	D	D	D	D	4 536
323112	Commercial flexographic printing .....	3	6	6	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	82	27	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	35	11	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	33	10	f	D	D	D	D	D	D	D	D
332710	Machine shops .....	2	33	10	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BROWN—Con.</b>													
333	Machinery manufacturing .....	—	61	29	3 000	152 847	1 443	2 953	64 982	308 562	231 201	537 114	D
3332	Industrial machinery manufacturing .....	1	30	17	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	1	28	15	g	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	—	11	7	1 142	66 852	488	1 065	27 807	115 069	87 693	200 076	5 205
336	Transportation equipment manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	—	2	1	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	2	1	f	D	D	D	D	D	D	D	D
336612	Boat building .....	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	29	13	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	3	25	11	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ...	—	21	9	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	—	21	9	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>BURNETT</b>													
31-33	Manufacturing .....	1	29	8	838	26 735	693	1 388	19 998	97 697	76 694	173 027	13 815
<b>CALUMET</b>													
31-33	Manufacturing .....	—	63	25	5 793	220 877	4 387	8 718	156 048	551 620	611 720	1 155 160	24 877
311	Food manufacturing .....	—	14	9	f	D	D	D	D	D	D	D	5 406
331	Primary metal manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3315	Foundries .....	—	2	2	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	7	5	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>CHIPPEWA</b>													
31-33	Manufacturing .....	2	131	46	4 846	172 766	3 328	6 565	101 462	565 428	577 267	1 155 398	21 918
316	Leather and allied product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	13	8	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	13	8	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	4	16	9	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>CHIPPEWA—Con.</b>													
334	Computer and electronic product manufacturing .....	4	9	4	g	D	D	D	D	D	D	D	
3344	Semiconductor and other electronic component manufacturing .....	4	4	4	g	D	D	D	D	D	D	D	
33441	Semiconductor and other electronic component manufacturing .....	4	4	4	g	D	D	D	D	D	D	D	
334412	Bare printed circuit board manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	
<b>CLARK</b>													
31-33	Manufacturing .....	—	88	33	2 998	93 963	2 423	4 957	68 467	291 863	695 980	959 497	20 295
311	Food manufacturing .....	—	22	11	906	29 401	698	1 507	20 876	146 905	541 344	662 268	13 500
3115	Dairy product manufacturing .....	—	13	9	630	21 582	503	1 076	15 973	124 155	497 395	595 386	12 195
31151	Dairy product (except frozen) manufacturing .....	—	13	9	630	21 582	503	1 076	15 973	124 155	497 395	595 386	12 195
<b>COLUMBIA</b>													
31-33	Manufacturing .....	—	104	45	5 633	192 769	4 306	8 531	126 827	671 139	744 748	1 405 158	34 148
311	Food manufacturing .....	1	18	9	1 071	32 744	957	1 956	26 955	127 826	328 599	452 263	9 633
3115	Dairy product manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	8	6	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	6	4	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	15	8	f	D	D	D	D	D	D	D	D
<b>CRAWFORD</b>													
31-33	Manufacturing .....	—	28	10	1 767	51 179	1 192	2 394	30 865	381 701	171 182	558 820	9 975
321	Wood product manufacturing .....	—	10	3	524	13 580	317	717	6 328	24 401	40 398	65 776	D
327	Nonmetallic mineral product manufacturing .....	—	4	1	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
32791	Abrasive product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>DANE</b>													
31-33	Manufacturing .....	—	584	193	25 172	1 009 502	15 837	30 609	516 859	2 997 689	2 458 392	5 429 280	159 409
311	Food manufacturing .....	—	62	25	3 958	138 624	2 761	5 714	92 614	441 945	684 213	1 106 954	23 558
3115	Dairy product manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	9	4	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	9	4	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	—	6	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	24	7	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	—	21	6	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	10	3	713	18 857	313	615	9 161	15 570	25 481	41 031	732
321	Wood product manufacturing .....	2	27	8	641	22 631	491	1 028	14 567	48 076	42 630	90 790	D
3219	Other wood product manufacturing .....	2	22	6	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	103	28	h	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	103	28	h	D	D	D	D	D	D	D	D
32311	Printing .....	—	90	22	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	38	9	f	D	D	D	D	D	D	D	D
323117	Books printing .....	—	3	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>DANE—Con.</b>													
325	Chemical manufacturing .....	2	32	13	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
32541	Pharmaceutical and medicine manufacturing .....	2	14	9	1 146	57 797	491	917	20 279	207 689	93 847	288 281	27 936
325414	Biological product (except diagnostic) manufacturing ..	—	4	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	32	15	2 276	92 297	1 584	2 700	53 167	224 204	199 509	427 618	16 212
3261	Plastics product manufacturing ..	—	27	13	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	22	12	1 744	69 640	1 136	1 792	35 517	159 198	133 220	297 133	14 001
326199	All other plastics product manufacturing .....	—	21	12	g	D	D	D	D	D	D	D	14 001
331	Primary metal manufacturing .....	—	7	4	811	28 735	677	1 523	19 554	54 345	45 695	99 723	D
3315	Foundries .....	—	6	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	4	3	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	69	19	1 788	64 004	1 307	2 319	38 524	164 543	140 370	303 354	5 135
3323	Architectural and structural metals manufacturing .....	—	23	8	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	2	46	17	1 748	73 502	960	1 879	30 242	149 284	143 201	298 826	D
3339	Other general purpose machinery manufacturing .....	1	14	5	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	1	44	23	h	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	28	16	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	28	16	g	D	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	6	6	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	—	7	5	984	52 221	250	468	9 099	149 067	85 584	224 359	5 483
335	Electrical equipment, appliance, and component manufacturing .....	—	10	7	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	—	3	3	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	1	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	10	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	6	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	6	1	f	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	5	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	35	11	2 270	81 433	1 430	2 612	49 544	70 073	85 234	163 566	11 271
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	20	5	f	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	—	3	1	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>DANE—Con.</b>													
339	Miscellaneous manufacturing .....	-	61	11	1 581	67 770	917	1 828	29 263	242 786	183 069	422 955	9 520
3391	Medical equipment and supplies manufacturing .....	-	30	5	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	30	5	f	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	-	5	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	31	6	f	D	D	D	D	D	D	D	D
<b>DODGE</b>													
31-33	Manufacturing .....	-	171	71	10 446	377 051	8 287	16 113	265 771	1 346 930	1 349 936	2 723 935	56 433
311	Food manufacturing .....	-	30	14	1 663	53 271	1 373	2 791	41 150	324 158	437 502	756 622	8 992
3115	Dairy product manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
31151	Dairy product (except frozen) manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
311513	Cheese manufacturing .....	-	14	8	1 082	35 357	916	1 770	27 539	242 049	362 811	599 751	7 125
323	Printing and related support activities .....	-	7	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	7	2	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	7	2	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing ..	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	47	23	2 543	88 765	1 989	3 913	58 791	195 517	180 242	380 723	8 442
3321	Forging and stamping.....	-	8	6	1 013	33 707	805	1 640	21 135	71 070	73 483	147 205	1 570
33211	Forging and stamping.....	-	8	6	1 013	33 707	805	1 640	21 135	71 070	73 483	147 205	1 570
332116	Metal stamping .....	-	6	4	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	11	7	600	21 536	464	964	15 104	44 540	31 865	80 349	3 144
33232	Ornamental and architectural metal products manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	21	12	2 910	128 982	2 067	3 815	79 144	467 373	421 760	913 420	21 938
3331	Agriculture, construction, and mining machinery manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>DOOR</b>													
31-33	Manufacturing .....	2	65	17	2 244	71 895	1 762	3 487	52 326	160 615	127 083	292 352	3 771
333	Machinery manufacturing .....	1	9	3	543	20 491	351	809	10 588	55 111	45 654	104 457	596
336	Transportation equipment manufacturing .....	4	5	4	733	27 904	639	1 253	23 613	43 490	36 787	80 277	D
3366	Ship and boat building .....	3	4	3	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	3	4	3	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	3	4	3	f	D	D	D	D	D	D	D	D
<b>DOUGLAS</b>													
31-33	Manufacturing .....	1	61	16	g	D	D	D	D	D	D	D	D
<b>DUNN</b>													
31-33	Manufacturing .....	-	49	17	2 224	82 943	1 782	3 345	58 636	672 145	329 424	1 002 579	27 952
334	Computer and electronic product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>EAU CLAIRE</b>													
31-33	Manufacturing .....	3	106	37	5 295	177 312	4 000	7 893	123 986	672 494	552 037	1 229 611	63 712
311	Food manufacturing .....	—	11	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
32191	Millwork .....	9	2	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	5	6	6	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>FOND DU LAC</b>													
31-33	Manufacturing .....	—	166	61	10 515	399 179	7 796	14 778	247 949	1 097 909	1 380 041	2 472 952	42 464
311	Food manufacturing .....	—	24	16	2 310	70 679	1 956	3 394	54 337	202 335	531 156	732 226	9 514
3114	Fruit and vegetable preserving and specialty food manufacturing .....	4	7	6	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	5	6	5	517	14 448	441	907	11 016	59 642	66 747	126 393	3 722
311421	Fruit and vegetable canning .....	5	6	5	517	14 448	441	907	11 016	59 642	66 747	126 393	3 722
3115	Dairy product manufacturing .....	—	6	5	851	29 971	693	1 252	21 731	96 083	384 785	481 944	3 432
31151	Dairy product (except frozen) manufacturing .....	—	6	5	851	29 971	693	1 252	21 731	96 083	384 785	481 944	3 432
311513	Cheese manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
3231	Printing and related support activities .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
32311	Printing .....	—	15	4	579	17 024	450	768	12 272	60 697	21 561	82 350	1 920
331	Primary metal manufacturing .....	—	4	4	785	29 796	656	1 305	22 551	73 129	57 372	131 672	D
3315	Foundries .....	—	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	45	10	553	22 963	354	718	11 886	42 739	41 821	82 553	5 464
333	Machinery manufacturing .....	—	17	7	2 984	148 109	1 877	3 573	77 364	422 350	398 639	816 518	12 489
3335	Metalworking machinery manufacturing .....	—	7	2	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	—	7	2	g	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>GRANT</b>													
31-33	Manufacturing .....	—	67	26	2 769	73 487	2 346	4 138	54 308	375 903	405 214	784 878	16 687
335	Electrical equipment, appliance, and component manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>GREEN</b>													
31-33	Manufacturing .....	1	78	17	1 923	58 790	1 575	3 072	42 626	224 695	298 731	527 819	D
311	Food manufacturing .....	1	27	7	654	19 272	541	1 110	14 260	109 444	180 615	291 613	D
<b>GREEN LAKE</b>													
31-33	Manufacturing .....	1	52	22	1 758	50 733	1 448	2 957	38 208	154 475	93 001	246 430	5 055
<b>IOWA</b>													
31-33	Manufacturing .....	2	37	5	603	18 567	490	988	13 212	45 895	49 952	95 945	2 756
<b>JACKSON</b>													
31-33	Manufacturing .....	3	22	10	801	23 598	641	1 284	16 656	59 511	94 308	146 861	3 647
<b>JEFFERSON</b>													
31-33	Manufacturing .....	—	160	80	11 171	394 290	8 255	15 973	246 101	1 280 233	1 655 974	2 947 757	71 871
311	Food manufacturing .....	—	17	11	2 100	75 834	1 739	3 600	58 157	423 817	397 134	818 116	10 950
3116	Animal slaughtering and processing .....	—	5	5	1 308	47 797	1 082	2 235	35 969	151 234	174 261	325 640	5 625
31161	Animal slaughtering and processing .....	—	5	5	1 308	47 797	1 082	2 235	35 969	151 234	174 261	325 640	5 625
311612	Meat processed from carcasses .....	—	3	3	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	10	3	932	29 249	781	1 452	21 767	61 162	29 426	89 928	2 258
3231	Printing and related support activities .....	—	10	3	932	29 249	781	1 452	21 767	61 162	29 426	89 928	2 258
32311	Printing .....	—	9	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	7	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	2	13	7	624	18 290	535	1 099	13 920	49 345	30 610	78 381	3 137
3261	Plastics product manufacturing ..	2	13	7	624	18 290	535	1 099	13 920	49 345	30 610	78 381	3 137
332	Fabricated metal product manufacturing .....	1	32	16	1 419	49 617	1 138	2 080	34 335	147 512	159 226	306 027	6 394
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	18	8	591	19 689	483	845	13 793	49 183	26 819	72 410	3 249
333	Machinery manufacturing .....	3	23	17	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	5	4	4	530	19 663	366	809	11 925	30 901	70 640	104 821	12 540
33311	Agricultural implement manufacturing .....	5	4	4	530	19 663	366	809	11 925	30 901	70 640	104 821	12 540
334	Computer and electronic product manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	2 974
335	Electrical equipment, appliance, and component manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	5	1	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	13	5	1 011	31 363	789	1 343	18 276	73 336	60 691	134 266	3 458
3372	Office furniture (including fixtures) manufacturing .....	1	6	2	539	17 963	429	662	10 353	49 544	41 124	90 976	D
33721	Office furniture (including fixtures) manufacturing .....	1	6	2	539	17 963	429	662	10 353	49 544	41 124	90 976	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>JUNEAU</b>													
31-33	Manufacturing .....	-	48	25	2 122	69 286	1 603	3 006	47 288	168 884	189 151	358 190	6 928
332	Fabricated metal product manufacturing .....	-	10	6	882	32 754	614	1 149	23 477	71 535	73 647	147 705	3 546
<b>KENOSHA</b>													
31-33	Manufacturing .....	-	205	86	9 685	418 191	7 079	14 428	280 516	1 041 892	1 490 287	2 562 039	86 318
311	Food manufacturing .....	-	16	9	787	21 616	623	1 313	15 455	95 643	297 398	393 446	4 139
326	Plastics and rubber products manufacturing .....	2	14	10	885	31 882	691	1 477	19 404	84 965	65 598	151 155	9 752
3261	Plastics product manufacturing ..	2	11	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	8	6	678	22 855	533	1 123	14 415	63 501	44 048	108 006	6 937
326199	All other plastics product manufacturing .....	1	8	6	678	22 855	533	1 123	14 415	63 501	44 048	108 006	6 937
332	Fabricated metal product manufacturing .....	2	51	18	1 375	53 708	1 077	2 221	37 747	111 558	63 556	175 049	6 209
333	Machinery manufacturing .....	2	25	9	536	24 869	362	721	15 713	31 144	30 389	79 838	D
334	Computer and electronic product manufacturing .....	-	9	5	553	15 641	348	694	7 614	46 938	56 319	100 154	255
335	Electrical equipment, appliance, and component manufacturing .....	-	5	3	731	32 291	391	759	10 369	86 630	96 858	179 861	D
3359	Other electrical equipment and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	13	6	513	17 568	368	684	11 617	34 480	16 610	53 095	D
<b>KEWAUNEE</b>													
31-33	Manufacturing .....	-	46	15	1 947	61 524	1 512	2 686	44 049	108 669	167 716	275 892	17 251
321	Wood product manufacturing .....	-	6	3	528	14 417	420	642	9 946	31 879	23 009	56 532	D
323	Printing and related support activities .....	-	5	3	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	5	3	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	5	3	f	D	D	D	D	D	D	D	D
<b>LA CROSSE</b>													
31-33	Manufacturing .....	-	173	59	i	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	17	8	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	12	6	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D
32191	Millwork .....	-	4	4	538	12 388	462	1 002	8 767	28 325	32 421	59 547	1 959
323	Printing and related support activities .....	-	27	9	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	27	9	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	25	9	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	-	8	5	894	22 689	777	1 365	15 605	40 859	18 926	59 337	2 380
332	Fabricated metal product manufacturing .....	-	28	9	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	16	6	2 905	122 307	1 454	2 811	44 746	186 420	289 261	479 609	12 800
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	5	3	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	5	3	h	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	4	2	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>LANGLADE</b>													
31-33	Manufacturing .....	1	48	16	1 559	44 443	1 274	2 558	31 348	125 356	102 838	223 732	11 857
321	Wood product manufacturing .....	-	11	6	519	12 836	451	893	10 263	29 374	38 409	69 378	1 460
<b>LINCOLN</b>													
31-33	Manufacturing .....	-	59	26	3 458	114 754	2 826	5 588	85 941	346 066	315 579	680 924	47 756
321	Wood product manufacturing .....	-	15	5	1 231	35 769	1 006	2 015	27 114	97 162	110 972	209 004	4 081
3219	Other wood product manufacturing .....	-	11	4	g	D	D	D	D	D	D	D	D
32191	Millwork .....	-	9	4	1 047	29 765	851	1 703	22 309	72 040	77 330	149 269	3 450
321911	Wood window and door manufacturing .....	-	6	4	1 026	29 254	837	1 676	22 094	71 211	76 692	147 784	D
332	Fabricated metal product manufacturing .....	-	14	9	613	17 765	498	905	12 374	34 975	25 804	59 951	1 255
<b>MANITOWOC</b>													
31-33	Manufacturing .....	-	193	90	12 376	443 069	9 315	17 183	286 486	1 238 392	1 194 572	2 426 759	61 851
311	Food manufacturing .....	-	22	13	1 588	50 464	1 202	2 070	31 901	196 316	340 586	541 893	10 587
3115	Dairy product manufacturing .....	-	6	5	f	D	D	D	D	D	D	D	4 879
31151	Dairy product (except frozen) manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	4	3	543	16 290	487	804	14 015	81 585	224 806	311 709	D
331	Primary metal manufacturing .....	-	6	3	759	27 311	637	1 334	21 867	51 027	33 719	83 614	D
3315	Foundries .....	-	6	3	759	27 311	637	1 334	21 867	51 027	33 719	83 614	D
33152	Nonferrous metal foundries .....	-	4	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	45	20	2 660	93 645	2 125	3 492	64 193	301 704	164 379	470 588	14 771
3322	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	20	5	501	16 593	393	819	10 928	37 414	15 749	51 711	D
3329	Other fabricated metal product manufacturing .....	-	6	5	684	24 924	554	1 085	18 304	47 181	22 838	68 426	2 459
33291	Metal valve manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	21	12	g	D	D	D	D	D	D	D	7 773
3331	Agriculture, construction, and mining machinery manufacturing .....	-	4	3	811	36 445	467	763	18 675	133 541	106 804	226 449	4 355
33312	Construction machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	6	4	992	36 399	814	1 524	25 999	72 567	54 661	125 525	8 270
3363	Motor vehicle parts manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	9	5	722	21 753	596	1 204	15 948	72 618	50 368	122 421	802
3372	Office furniture (including fixtures) manufacturing .....	-	5	4	602	19 106	500	1 050	14 146	66 961	46 439	112 791	D
33721	Office furniture (including fixtures) manufacturing .....	-	5	4	602	19 106	500	1 050	14 146	66 961	46 439	112 791	D
339	Miscellaneous manufacturing .....	-	10	4	g	D	D	D	D	D	D	D	3 980
3391	Medical equipment and supplies manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.



**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MARATHON</b>													
31-33	Manufacturing .....	1	233	94	17 140	614 769	13 187	25 351	422 644	1 569 985	1 937 357	3 501 052	100 574
311	Food manufacturing .....	—	25	8	1 490	46 723	1 258	2 452	36 686	185 477	711 413	894 964	8 331
3115	Dairy product manufacturing .....	—	12	7	1 202	39 217	1 011	1 996	31 024	159 820	653 543	811 145	7 815
31151	Dairy product (except frozen) manufacturing .....	—	12	7	1 202	39 217	1 011	1 996	31 024	159 820	653 543	811 145	7 815
311513	Cheese manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	32	12	4 355	126 871	3 316	6 135	81 742	295 976	302 184	599 387	14 918
3219	Other wood product manufacturing .....	3	21	11	4 253	123 658	3 233	5 966	79 420	287 622	291 387	580 182	14 521
32191	Millwork .....	4	11	6	3 479	99 744	2 740	4 914	66 235	219 165	203 188	421 401	6 840
321911	Wood window and door manufacturing .....	5	4	2	h	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	3	3	588	19 862	347	759	10 472	59 019	80 196	140 326	D
321992	Prefabricated wood building manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	9	8	2 486	129 571	2 029	4 355	98 316	360 226	393 212	738 110	28 807
3221	Pulp, paper, and paperboard mills .....	—	3	3	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	3	3	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	4	4	725	33 059	598	1 316	25 015	96 010	115 187	203 918	D
327	Nonmetallic mineral product manufacturing .....	8	8	4	601	20 398	470	946	16 121	58 034	31 729	87 964	2 344
331	Primary metal manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	53	22	h	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	—	17	11	2 676	104 325	1 755	3 527	61 336	206 762	172 937	386 467	14 408
33232	Ornamental and architectural metal products manufacturing .....	—	10	6	2 274	89 955	1 474	2 957	51 919	179 660	139 244	323 136	D
332321	Metal window and door manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	2 074
332322	Sheet metal work manufacturing .....	—	4	3	1 455	57 218	919	1 755	31 101	114 816	91 424	208 317	D
3328	Coating, engraving, heat treating, and allied activities .....	—	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
33281	Coating, engraving, heat treating, and allied activities ..	—	5	3	572	17 363	505	1 000	14 715	42 725	22 302	64 863	3 790
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	17	8	507	20 590	365	819	13 795	39 200	21 993	61 413	2 911
336	Transportation equipment manufacturing .....	—	12	6	925	32 966	737	1 394	22 238	99 930	56 661	154 603	6 323
3363	Motor vehicle parts manufacturing .....	1	9	4	f	D	D	D	D	D	D	D	D
<b>MARINETTE</b>													
31-33	Manufacturing .....	—	97	28	5 833	225 180	4 543	9 026	154 145	711 960	670 381	1 383 665	43 278
322	Paper manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	3	3	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	3	3	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	3	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	3	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MARINETTE—Con.</b>													
336	Transportation equipment manufacturing .....	—	4	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	—	1	1	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	1	1	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>MARQUETTE</b>													
31-33	Manufacturing .....	—	25	9	1 165	35 775	895	1 711	24 643	102 713	114 194	216 181	10 837
311	Food manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>MILWAUKEE</b>													
31-33	Manufacturing .....	1	'1 293	'486	'67 611	'2 818 036	'44 189	'83 468	'1 529 849	'7 983 283	'7 206 441	'15 377 699	'455 580
311	Food manufacturing .....	—	108	49	7 482	238 015	5 186	10 158	144 532	785 789	1 189 617	1 977 178	55 242
3113	Sugar and confectionery product manufacturing .....	—	13	4	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	13	9	h	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	13	9	h	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	—	7	5	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	6	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	7	49	17	1 441	45 820	818	1 491	22 412	98 813	69 686	168 509	D
31181	Bread and bakery product manufacturing .....	6	43	14	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	6	10	7	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	—	26	13	1 601	61 584	1 068	1 840	32 786	394 481	174 011	566 617	17 498
31199	All other food manufacturing ...	2	14	7	708	30 945	424	831	14 368	95 946	55 808	151 178	D
312	Beverage and tobacco product manufacturing .....	9	6	3	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	9	6	3	g	D	D	D	D	D	D	D	D
31212	Breweries .....	9	3	1	g	D	D	D	D	D	D	D	D
312120	Breweries .....	9	3	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	24	17	1 903	72 102	1 382	2 745	43 909	171 316	220 668	396 392	7 657
3222	Converted paper product manufacturing .....	2	23	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	1	11	8	834	30 935	637	1 267	19 585	57 602	96 916	156 077	5 401
322211	Corrugated and solid fiber box manufacturing .....	—	9	6	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	3	5	4	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	'165	'39	'4 593	'153 675	'3 350	'5 840	'95 069	'357 993	'223 104	'576 710	'21 036
3231	Printing and related support activities .....	2	'165	'39	'4 593	'153 675	'3 350	'5 840	'95 069	'357 993	'223 104	'576 710	'21 036
32311	Printing .....	2	'146	'35	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	1	59	18	2 393	82 348	1 864	3 156	56 134	185 611	115 520	300 095	D
323112	Commercial flexographic printing .....	8	3	3	601	23 392	353	759	11 748	62 971	54 406	115 614	3 413
323113	Commercial screen printing ..	—	24	6	554	16 191	398	643	9 082	43 975	27 366	69 834	1 174

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE—Con.</b>													
325	Chemical manufacturing .....	1	67	32	3 105	153 014	1 510	2 949	66 616	501 636	472 951	979 624	33 230
3251	Basic chemical manufacturing ...	4	14	7	723	35 512	391	782	25 496	67 648	121 660	188 651	D
32519	Other basic organic chemical manufacturing .....	8	5	4	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing....	8	5	4	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	9	6	g	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	6	4	1 022	53 819	388	796	16 075	208 840	190 565	399 842	D
325510	Paint and coating manufacturing .....	—	6	4	1 022	53 819	388	796	16 075	208 840	190 565	399 842	D
326	Plastics and rubber products manufacturing .....	1	39	20	1 585	56 191	1 147	2 303	30 254	126 784	112 975	239 325	7 529
3261	Plastics product manufacturing ..	2	36	17	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	3	28	12	944	33 670	662	1 285	16 832	74 861	72 520	148 091	5 316
326199	All other plastics product manufacturing .....	3	28	12	944	33 670	662	1 285	16 832	74 861	72 520	148 091	5 316
327	Nonmetallic mineral product manufacturing .....	1	25	8	568	23 529	406	781	13 711	50 550	73 006	122 007	D
331	Primary metal manufacturing .....	—	34	25	3 699	133 428	3 065	6 224	97 080	292 517	231 463	522 470	D
3315	Foundries .....	—	27	20	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	12	10	1 929	72 971	1 600	3 224	54 686	157 497	94 132	250 892	D
331511	Iron foundries .....	—	7	6	951	39 700	776	1 717	29 457	97 679	58 890	155 581	D
331513	Steel foundries (except investment) .....	—	3	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries....	—	15	10	g	D	D	D	D	D	D	D	2 556
332	Fabricated metal product manufacturing .....	—	'286	'104	'10 404	'443 235	'7 306	'14 615	'262 209	'1 028 025	'845 121	'1 904 116	'51 417
3321	Forging and stamping.....	2	20	16	1 859	80 292	1 376	2 568	55 782	158 811	155 234	316 273	12 420
33211	Forging and stamping.....	2	20	16	1 859	80 292	1 376	2 568	55 782	158 811	155 234	316 273	12 420
332111	Iron and steel forging .....	—	5	5	g	D	D	D	D	D	D	D	D
332116	Metal stamping .....	7	13	9	562	22 035	429	881	14 244	52 492	37 632	89 995	D
3323	Architectural and structural metals manufacturing .....	1	'36	'15	'1 348	'52 028	'988	'2 042	'32 742	'104 317	'117 100	'221 661	'3 253
33232	Ornamental and architectural metal products manufacturing .....	1	'18	'9	'914	'34 977	'700	'1 462	'23 055	'56 905	'63 023	'120 389	'1 680
332322	Sheet metal work manufacturing .....	—	'9	'4	'587	'24 146	'452	'943	'16 370	'30 532	'42 814	'73 867	D
3325	Hardware manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing ....	—	5	4	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	106	29	2 712	113 634	1 895	3 843	65 626	209 881	259 000	474 161	12 356
33271	Machine shops .....	—	86	23	2 078	89 895	1 387	2 827	48 827	154 978	226 064	387 284	8 745
332710	Machine shops .....	—	86	23	2 078	89 895	1 387	2 827	48 827	154 978	226 064	387 284	8 745
33272	Turned product and screw, nut, and bolt manufacturing .....	—	20	6	634	23 739	508	1 016	16 799	54 903	32 936	86 877	3 611
3328	Coating, engraving, heat treating, and allied activities .....	2	66	19	1 101	37 127	806	1 650	23 739	68 792	26 807	95 882	2 788
33281	Coating, engraving, heat treating, and allied activities ..	2	66	19	1 101	37 127	806	1 650	23 739	68 792	26 807	95 882	2 788
332813	Electroplating, plating, polishing, anodizing, and coloring .....	2	37	10	658	20 984	481	965	13 472	36 645	16 492	53 340	1 155
3329	Other fabricated metal product manufacturing .....	1	29	11	961	36 189	705	1 306	20 267	111 845	51 489	163 865	3 312
333	Machinery manufacturing .....	1	165	66	9 383	454 404	5 915	9 593	243 113	818 799	682 925	1 571 388	40 608
3331	Agriculture, construction, and mining machinery manufacturing .....	—	10	6	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	9	5	1 743	93 331	829	1 270	49 118	301 736	215 465	514 875	D
333120	Construction machinery manufacturing .....	—	9	5	1 743	93 331	829	1 270	49 118	301 736	215 465	514 875	D
3332	Industrial machinery manufacturing .....	1	26	11	674	32 974	376	772	14 297	51 566	42 299	93 368	D
33329	Other industrial machinery manufacturing .....	1	24	11	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE—Con.</b>													
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing .....	4	54	17	1 119	49 524	844	1 572	34 652	91 529	41 801	132 122	6 976
33351	Metalworking machinery manufacturing .....	4	54	17	1 119	49 524	844	1 572	34 652	91 529	41 801	132 122	6 976
333514	Special die and tool, die set, jig, and fixture manufacturing .....	7	25	7	581	21 177	444	820	14 202	36 426	19 334	55 849	1 020
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	15	9	3 382	171 776	2 498	3 360	97 060	199 612	212 904	508 670	15 999
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	15	9	3 382	171 776	2 498	3 360	97 060	199 612	212 904	508 670	15 999
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	7	3	1 231	55 878	757	1 476	30 887	99 774	65 940	170 620	D
333613	Mechanical power transmission equipment manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	3	44	16	1 621	75 437	784	1 495	29 029	103 714	109 574	195 591	2 755
33392	Material handling equipment manufacturing .....	5	9	6	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	1	30	10	1 001	42 752	516	972	17 836	76 327	50 518	121 332	D
334	Computer and electronic product manufacturing .....	—	54	24	3 884	187 196	1 772	3 365	56 459	782 406	496 816	1 284 942	27 999
3344	Semiconductor and other electronic component manufacturing .....	1	19	13	1 348	51 263	738	1 372	19 129	265 503	79 227	345 519	D
33441	Semiconductor and other electronic component manufacturing .....	1	19	13	1 348	51 263	738	1 372	19 129	265 503	79 227	345 519	D
334419	Other electronic component manufacturing .....	—	8	6	643	24 154	371	647	10 048	212 604	33 464	247 204	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	15	5	1 988	111 155	796	1 465	30 769	434 350	382 000	817 911	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	15	5	1 988	111 155	796	1 465	30 769	434 350	382 000	817 911	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	35	20	7 335	292 261	3 582	5 433	95 247	676 963	830 020	1 522 101	28 947
3353	Electrical equipment manufacturing .....	—	17	10	5 872	234 770	2 629	3 535	67 481	462 193	694 600	1 172 169	D
33531	Electrical equipment manufacturing .....	—	17	10	5 872	234 770	2 629	3 535	67 481	462 193	694 600	1 172 169	D
335313	Switchgear and switchboard apparatus manufacturing ...	—	5	2	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	—	10	7	i	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	11	7	979	39 400	642	1 258	19 282	156 230	96 145	252 573	3 991
336	Transportation equipment manufacturing .....	—	38	15	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	23	10	h	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	5	1	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	—	5	1	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	—	7	4	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	—	6	4	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE—Con.</b>													
337	Furniture and related product manufacturing .....	1	60	14	1 206	45 954	757	1 548	24 465	89 097	64 869	156 620	4 461
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	40	7	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing .....	1	19	7	504	19 867	270	530	9 107	34 293	31 240	65 441	D
33721	Office furniture (including fixtures) manufacturing .....	1	19	7	504	19 867	270	530	9 107	34 293	31 240	65 441	D
339	Miscellaneous manufacturing .....	—	'122	'29	'3 603	'132 851	'2 220	'4 391	'66 170	'315 153	'213 479	'528 755	'10 877
3391	Medical equipment and supplies manufacturing .....	1	51	10	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	1	51	10	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	'71	'19	h	D	D	D	D	D	D	D	D
33995	Sign manufacturing .....	—	'34	'9	'900	'39 491	'469	'919	'14 136	'76 475	'72 670	'149 000	'1 864
339950	Sign manufacturing .....	—	'34	'9	'900	'39 491	'469	'919	'14 136	'76 475	'72 670	'149 000	'1 864
33999	All other miscellaneous manufacturing .....	—	21	4	1 166	45 590	871	1 814	29 081	111 630	84 442	196 277	2 705
339994	Broom, brush, and mop manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>MONROE</b>													
31-33	Manufacturing .....	1	62	22	3 510	137 299	2 736	5 144	97 451	289 584	517 393	805 208	16 993
311	Food manufacturing .....	2	7	5	636	21 331	458	978	14 961	91 031	233 222	325 688	5 168
332	Fabricated metal product manufacturing .....	1	9	1	572	16 972	341	656	7 234	15 665	7 926	23 411	D
3328	Coating, engraving, heat treating, and allied activities .....	—	3	1	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	3	1	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	3	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	10	4	848	61 658	707	1 111	48 062	54 892	146 250	203 131	1 712
3331	Agriculture, construction, and mining machinery manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
<b>OCONTO</b>													
31-33	Manufacturing .....	1	68	29	2 707	80 326	2 225	4 166	57 071	189 241	260 486	451 032	7 555
336	Transportation equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	—	2	2	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	2	2	f	D	D	D	D	D	D	D	D
336612	Boat building .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>ONEIDA</b>													
31-33	Manufacturing .....	1	60	13	1 506	59 294	1 133	2 250	40 045	173 048	175 754	352 349	7 098
322	Paper manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>OUTAGAMIE</b>													
31-33	Manufacturing .....	-	327	132	18 286	753 195	13 376	26 126	487 625	1 930 172	2 627 206	4 537 586	141 868
311	Food manufacturing .....	-	33	20	h	D	D	D	D	D	D	D	44 148
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	7	7	1 992	63 602	1 850	3 149	56 878	163 247	251 647	414 734	15 492
31141	Frozen food manufacturing ....	-	3	3	g	D	D	D	D	D	D	D	14 294
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing ....	-	9	6	f	D	D	D	D	D	D	D	27 619
31151	Dairy product (except frozen) manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	27 619
311513	Cheese manufacturing .....	-	7	5	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	21	11	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	29	19	i	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
32212	Paper mills .....	-	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
322121	Paper (except newsprint) mills .....	-	5	5	3 067	166 528	2 372	4 781	119 259	468 271	615 263	1 056 112	45 717
3222	Converted paper product manufacturing .....	-	24	14	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	6	3	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	3	10	6	818	28 804	669	1 280	19 999	95 829	60 187	152 912	3 478
322299	All other converted paper product manufacturing .....	6	8	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	41	10	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	41	10	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	38	9	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	14	5	922	30 645	605	1 359	13 730	58 491	75 273	132 747	4 981
3261	Plastics product manufacturing ..	-	12	4	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	-	4	3	764	25 613	494	1 123	10 937	46 576	63 400	109 125	4 189
326111	Plastics bag manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	60	24	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	5	12	6	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	5	12	6	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	35	15	g	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	17	7	888	49 419	319	508	14 255	75 543	124 988	197 214	5 311
33329	Other industrial machinery manufacturing .....	1	17	7	888	49 419	319	508	14 255	75 543	124 988	197 214	5 311
333291	Paper industry machinery manufacturing .....	-	12	6	772	43 622	257	380	11 920	68 367	116 001	181 463	5 125
3339	Other general purpose machinery manufacturing .....	-	9	4	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	-	4	2	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	7	3	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>OZAUKEE</b>													
31-33	Manufacturing .....	1	230	88	11 432	469 657	7 692	15 134	251 959	1 190 133	1 329 172	2 509 716	87 569
326	Plastics and rubber products manufacturing .....	3	8	7	897	32 366	716	1 558	21 873	58 787	124 970	182 651	8 558
3261	Plastics product manufacturing ..	4	7	6	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	9	8	1 818	55 151	1 358	3 119	42 612	218 922	238 868	438 408	20 733
3314	Nonferrous metal (except aluminum) production and processing .....	—	1	1	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	—	1	1	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	—	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	7	6	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	4	4	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	49	20	1 669	63 300	1 236	2 213	38 327	143 188	87 136	228 945	18 406
333	Machinery manufacturing .....	—	39	16	2 341	111 386	1 450	2 867	57 169	263 707	320 602	611 369	8 717
3331	Agriculture, construction, and mining machinery manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	—	17	6	527	25 628	379	806	17 383	46 561	17 532	63 650	3 757
33351	Metalworking machinery manufacturing .....	—	17	6	527	25 628	379	806	17 383	46 561	17 532	63 650	3 757
335	Electrical equipment, appliance, and component manufacturing .....	—	12	5	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
<b>PIERCE</b>													
31-33	Manufacturing .....	1	52	14	1 190	40 035	865	1 525	24 972	97 196	172 210	271 909	6 147
<b>POLK</b>													
31-33	Manufacturing .....	—	109	41	3 794	121 354	2 830	5 217	74 378	248 323	411 265	663 090	19 477
326	Plastics and rubber products manufacturing .....	—	13	8	618	14 949	516	895	10 982	24 724	26 815	51 105	4 709
3261	Plastics product manufacturing ..	—	13	8	618	14 949	516	895	10 982	24 724	26 815	51 105	4 709
32619	Other plastics product manufacturing .....	—	11	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	11	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	26	8	630	19 996	461	867	12 962	39 922	24 483	65 374	1 257
336	Transportation equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>PORTAGE</b>													
31-33	Manufacturing .....	—	81	30	4 778	174 394	3 936	7 754	124 161	542 866	608 710	1 145 750	33 787
311	Food manufacturing .....	1	12	9	1 799	56 549	1 599	3 333	45 446	157 940	227 849	385 815	8 210
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	6	6	1 679	53 385	1 517	3 202	43 273	151 361	210 880	362 259	D
31141	Frozen food manufacturing ....	—	3	3	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing ...	—	2	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	3	3	3	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	3	3	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	3	3	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
3231	Printing and related support activities .....	—	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
32311	Printing .....	—	8	4	684	22 476	539	882	13 104	38 710	31 681	70 238	D
332	Fabricated metal product manufacturing .....	—	14	6	516	18 493	389	746	12 073	40 479	52 830	94 123	1 109
<b>PRICE</b>													
31-33	Manufacturing .....	1	47	15	2 344	79 112	1 905	3 654	53 590	290 583	285 816	577 856	9 538
321	Wood product manufacturing .....	3	10	5	620	17 067	569	1 089	14 866	55 150	56 136	108 518	1 000
<b>RACINE</b>													
31-33	Manufacturing .....	—	341	132	16 405	694 352	11 026	22 041	389 846	3 836 814	2 624 044	6 453 584	144 953
311	Food manufacturing .....	—	16	7	g	D	D	D	D	D	D	D	18 331
3113	Sugar and confectionery product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
31132	Chocolate and confectionery manufacturing from cacao beans .....	—	1	1	f	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	—	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	4	25	8	900	28 921	539	1 016	15 481	53 229	35 840	89 248	1 726
3231	Printing and related support activities .....	4	25	8	900	28 921	539	1 016	15 481	53 229	35 840	89 248	1 726
32311	Printing .....	4	24	8	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	2	11	4	531	15 801	282	529	9 018	29 844	17 922	47 670	530
325	Chemical manufacturing .....	—	8	4	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	15	10	715	25 939	565	1 200	18 115	70 139	54 363	124 702	6 194
327	Nonmetallic mineral product manufacturing .....	—	10	5	630	29 093	493	1 049	20 611	92 838	65 387	160 379	5 973
331	Primary metal manufacturing .....	1	12	8	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	10	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	7	4	638	24 044	535	1 220	17 343	56 003	28 228	82 583	D
332	Fabricated metal product manufacturing .....	2	'91	'29	'2 028	'73 854	'1 434	'2 715	'48 264	'145 860	'72 141	'218 906	'5 194
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	47	12	973	33 494	635	1 125	20 002	67 608	33 533	100 867	2 634
33271	Machine shops .....	2	38	9	848	28 578	536	925	16 622	59 894	28 397	87 897	2 283
332710	Machine shops .....	2	38	9	848	28 578	536	925	16 622	59 894	28 397	87 897	2 283
333	Machinery manufacturing .....	—	62	21	2 542	118 891	1 600	2 933	62 736	350 945	587 629	943 194	47 160
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	7	3	1 050	50 513	685	1 172	26 424	152 278	181 493	333 033	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	7	3	1 050	50 513	685	1 172	26 424	152 278	181 493	333 033	D

See footnotes at end of table.



**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>RACINE—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing .....	-	18	11	2 624	98 954	1 859	3 755	56 773	367 205	208 880	577 596	11 615
3351	Electric lighting equipment manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	-	3	3	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	2	13	6	790	27 509	534	993	13 840	73 955	51 660	126 690	D
33531	Electrical equipment manufacturing .....	2	13	6	790	27 509	534	993	13 840	73 955	51 660	126 690	D
335312	Motor and generator manufacturing .....	-	7	4	541	16 005	444	872	11 479	53 894	37 118	91 575	413
336	Transportation equipment manufacturing .....	-	13	9	791	29 057	566	1 105	17 964	67 069	58 478	124 601	1 502
339	Miscellaneous manufacturing .....	4	19	6	f	D	D	D	D	D	D	D	3 906
3391	Medical equipment and supplies manufacturing .....	4	8	4	f	D	D	D	D	D	D	D	3 703
33911	Medical equipment and supplies manufacturing .....	4	8	4	f	D	D	D	D	D	D	D	3 703
<b>RICHLAND</b>													
31-33	Manufacturing .....	-	29	9	1 512	52 685	1 090	1 987	32 269	134 607	238 446	371 139	5 494
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>ROCK</b>													
31-33	Manufacturing .....	-	238	77	14 994	741 988	11 535	22 931	543 334	5 753 424	5 979 893	11 707 164	67 629
311	Food manufacturing .....	-	18	9	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	5	17	7	f	D	D	D	D	D	D	D	7 940
326	Plastics and rubber products manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	3 309
3261	Plastics product manufacturing ..	-	9	5	f	D	D	D	D	D	D	D	3 309
332	Fabricated metal product manufacturing .....	-	56	14	g	D	D	D	D	D	D	D	6 206
333	Machinery manufacturing .....	-	27	13	1 546	71 989	800	1 457	27 720	129 684	147 346	272 044	6 119
336	Transportation equipment manufacturing .....	-	12	5	i	D	D	D	D	D	D	D	15 616
3361	Motor vehicle manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	6	3	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	9	3	f	D	D	D	D	D	D	D	1 453
339	Miscellaneous manufacturing .....	-	23	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>RUSK</b>													
31-33	Manufacturing .....	-	29	9	1 851	54 784	1 585	2 951	42 722	150 570	111 769	262 418	3 186
321	Wood product manufacturing .....	-	7	4	1 372	39 777	1 257	2 241	33 000	105 167	69 729	174 459	2 451
3219	Other wood product manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
32191	Millwork .....	-	4	3	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
<b>ST. CROIX</b>													
31-33	Manufacturing .....	1	155	54	5 692	202 563	4 108	7 656	121 190	487 562	485 709	967 459	24 238
326	Plastics and rubber products manufacturing .....	-	11	7	906	24 784	780	1 234	17 488	63 886	43 880	107 092	3 826
3261	Plastics product manufacturing ..	-	10	6	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	37	12	1 110	40 170	832	1 728	27 067	72 352	80 393	152 827	4 863
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	20	6	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	-	19	5	f	D	D	D	D	D	D	D	D
332710	Machine shops .....	-	19	5	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	27	12	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	4	3	800	28 061	603	1 046	18 361	99 838	45 196	142 753	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	4	3	800	28 061	603	1 046	18 361	99 838	45 196	142 753	D
3339	Other general purpose machinery manufacturing .....	3	4	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	3	4	2	f	D	D	D	D	D	D	D	D
<b>SAUK</b>													
31-33	Manufacturing .....	1	107	45	6 277	203 940	5 060	10 081	149 086	628 214	628 970	1 257 978	36 430
323	Printing and related support activities .....	-	8	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	8	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	8	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	4	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	10	8	1 310	37 984	1 095	2 231	28 226	131 792	69 365	200 808	7 961
3261	Plastics product manufacturing ..	-	7	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	4	22	8	1 063	37 151	762	1 633	24 466	125 076	113 521	241 606	5 120
<b>SAWYER</b>													
31-33	Manufacturing .....	1	47	7	541	16 694	415	782	11 265	39 980	56 735	98 134	1 515
<b>SHAWANO</b>													
31-33	Manufacturing .....	2	74	22	2 021	62 845	1 599	3 335	43 155	162 836	214 304	380 440	7 760
321	Wood product manufacturing .....	4	17	9	600	14 954	512	987	11 773	33 910	37 482	72 487	1 729

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>SHEBOYGAN</b>													
31-33	Manufacturing .....	1	242	112	20 115	763 054	15 079	30 317	483 145	2 212 591	2 236 309	4 504 932	103 418
311	Food manufacturing .....	-	31	16	2 833	115 743	1 991	3 721	62 404	533 767	759 398	1 294 169	14 230
3115	Dairy product manufacturing .....	-	12	8	1 772	72 657	1 263	2 353	40 542	289 544	629 257	921 100	9 993
31151	Dairy product (except frozen) manufacturing .....	-	11	8	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	8	6	1 589	65 400	1 161	2 135	36 654	257 648	596 733	856 672	9 025
3116	Animal slaughtering and processing .....	1	5	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	1	5	3	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	1	3	3	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	11	7	1 849	61 615	1 419	2 679	41 747	60 439	120 427	201 624	5 695
3219	Other wood product manufacturing .....	-	10	6	g	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
3222	Converted paper product manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
32229	Other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	23	7	887	28 531	701	1 461	19 313	56 944	42 470	99 192	5 076
3231	Printing and related support activities .....	-	23	7	887	28 531	701	1 461	19 313	56 944	42 470	99 192	5 076
32311	Printing .....	-	20	7	870	27 939	689	1 446	18 941	55 741	41 771	97 288	5 040
323110	Commercial lithographic printing .....	-	6	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	11	4	680	26 115	475	987	17 623	80 329	104 703	191 195	6 648
326	Plastics and rubber products manufacturing .....	1	19	17	1 990	71 651	1 566	3 169	50 197	184 019	147 925	331 111	5 006
3261	Plastics product manufacturing ..	1	19	17	1 990	71 651	1 566	3 169	50 197	184 019	147 925	331 111	5 006
32619	Other plastics product manufacturing .....	-	11	9	1 352	50 412	1 058	2 250	36 090	125 391	85 621	210 570	2 172
326199	All other plastics product manufacturing .....	-	11	9	1 352	50 412	1 058	2 250	36 090	125 391	85 621	210 570	2 172
327	Nonmetallic mineral product manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	11	9	2 021	81 920	1 750	3 694	64 828	222 677	240 911	463 125	16 709
3315	Foundries .....	-	10	8	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	8	6	g	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	3	3	928	38 537	833	1 792	32 057	116 071	168 290	285 564	D
331524	Aluminum foundries (except die-casting) .....	-	4	3	904	35 531	760	1 598	26 895	92 634	66 218	157 145	D
332	Fabricated metal product manufacturing .....	-	42	11	2 532	101 647	1 932	4 046	67 911	311 174	142 819	478 423	9 929
3322	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	6	2	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	6	2	g	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>SHEBOYGAN—Con.</b>													
333	Machinery manufacturing .....	6	30	10	2 684	105 991	1 655	3 228	52 252	319 882	299 322	620 835	13 656
3336	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	3	10	4	913	35 129	461	801	11 960	116 087	82 917	196 597	D
335	Electrical equipment, appliance, and component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	20	9	900	30 010	722	1 542	21 072	71 030	39 436	111 516	1 626
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	16	5	576	17 395	517	1 111	15 247	37 545	23 281	61 338	681
33712	Household and institutional furniture manufacturing .....	—	10	5	565	17 131	507	1 097	15 055	37 108	22 914	60 530	656
339	Miscellaneous manufacturing .....	—	14	5	569	19 749	436	881	11 054	69 894	15 262	84 757	1 287
<b>TAYLOR</b>													
31-33	Manufacturing .....	—	36	16	3 213	99 236	2 479	4 523	68 212	198 811	266 438	465 660	19 718
311	Food manufacturing .....	—	7	3	856	26 821	699	1 471	16 819	86 105	127 906	214 289	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	—	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	10	5	1 555	47 061	1 075	1 797	30 801	49 827	108 632	157 490	6 422
3219	Other wood product manufacturing .....	1	7	5	1 538	46 501	1 059	1 765	30 331	48 775	106 293	154 103	6 206
32191	Millwork .....	1	7	5	1 538	46 501	1 059	1 765	30 331	48 775	106 293	154 103	6 206
321911	Wood window and door manufacturing .....	1	5	3	g	D	D	D	D	D	D	D	D
<b>TREMPEALEAU</b>													
31-33	Manufacturing .....	4	58	23	4 332	138 926	3 322	7 197	81 905	400 227	506 670	906 904	14 487
311	Food manufacturing .....	—	13	6	694	18 625	587	1 158	14 321	146 580	196 094	342 218	1 996
337	Furniture and related product manufacturing .....	9	5	3	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	9	4	2	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	9	3	2	g	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	9	1	1	g	D	D	D	D	D	D	D	D
<b>VERNON</b>													
31-33	Manufacturing .....	—	32	11	866	25 609	725	1 357	19 633	81 548	93 060	175 923	5 391

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WALWORTH</b>													
31-33	Manufacturing .....	—	219	82	10 381	382 716	7 227	14 416	210 811	1 303 832	992 608	2 319 170	62 976
311	Food manufacturing .....	—	18	4	858	31 671	617	1 401	18 067	210 092	161 929	370 713	18 709
326	Plastics and rubber products manufacturing .....	1	19	11	1 260	42 104	883	1 815	23 616	103 944	85 041	189 748	3 303
3261	Plastics product manufacturing ..	1	16	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	2	10	6	538	12 040	376	672	6 827	38 700	24 351	63 275	1 434
326199	All other plastics product manufacturing .....	2	10	6	538	12 040	376	672	6 827	38 700	24 351	63 275	1 434
331	Primary metal manufacturing .....	—	8	6	516	18 754	351	702	12 557	39 128	25 894	64 839	716
332	Fabricated metal product manufacturing .....	1	47	16	1 340	50 282	1 060	2 147	34 422	113 925	77 765	190 123	7 890
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	18	6	591	20 441	481	920	14 687	48 798	24 267	72 808	1 754
333	Machinery manufacturing .....	2	24	11	1 939	85 324	1 124	2 244	41 402	240 493	248 365	505 789	7 857
3339	Other general purpose machinery manufacturing .....	2	9	7	1 572	70 909	911	1 821	34 702	227 416	215 199	441 589	6 577
33391	Pump and compressor manufacturing .....	2	2	2	g	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	2	2	2	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	594
3353	Electrical equipment manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	11	7	1 860	64 455	1 322	2 318	28 432	380 550	217 523	598 176	18 227
3363	Motor vehicle parts manufacturing .....	—	6	4	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>WASHBURN</b>													
31-33	Manufacturing .....	—	37	9	1 200	39 719	961	1 899	26 656	126 773	191 874	324 436	4 827
<b>WASHINGTON</b>													
31-33	Manufacturing .....	1	337	120	14 829	538 015	10 997	21 258	347 642	1 359 694	1 180 921	2 526 340	96 523
311	Food manufacturing .....	—	9	6	996	32 823	774	1 612	22 638	107 405	173 017	280 653	10 473
322	Paper manufacturing .....	—	7	6	542	21 547	382	833	12 615	52 781	84 503	137 564	3 025
3222	Converted paper product manufacturing .....	—	7	6	542	21 547	382	833	12 615	52 781	84 503	137 564	3 025
323	Printing and related support activities .....	3	29	7	2 446	78 391	2 056	3 733	60 944	202 090	112 296	315 844	20 119
3231	Printing and related support activities .....	3	29	7	2 446	78 391	2 056	3 733	60 944	202 090	112 296	315 844	20 119
32311	Printing .....	3	27	7	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	13	3	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	9	7	4	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	5	4	580	19 436	459	838	12 781	48 106	26 009	73 815	D
3315	Foundries .....	—	5	4	580	19 436	459	838	12 781	48 106	26 009	73 815	D
332	Fabricated metal product manufacturing .....	—	'92	'32	'3 178	'108 067	'2 467	'4 999	'73 618	'232 679	'157 882	'391 204	'20 246
3323	Architectural and structural metals manufacturing .....	—	13	7	1 111	39 974	840	1 623	26 039	83 085	68 028	150 420	4 788
33232	Ornamental and architectural metal products manufacturing .....	—	7	3	687	26 304	529	1 033	17 308	59 087	42 600	100 168	3 847
332322	Sheet metal work manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'41	'12	'707	'21 839	'559	'1 008	'15 351	'42 204	'12 425	'54 559	D
33271	Machine shops .....	1	'34	'10	'568	'17 123	'453	'808	'12 101	'32 107	'10 535	'42 420	'2 064
332710	Machine shops .....	1	'34	'10	'568	'17 123	'453	'808	'12 101	'32 107	'10 535	'42 420	'2 064

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WASHINGTON—Con.</b>													
333	Machinery manufacturing .....	1	'79	'28	'2 763	'120 769	'1 935	'3 775	'73 578	'239 067	'221 957	'453 110	'19 781
3331	Agriculture, construction, and mining machinery manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	7 725
33311	Agricultural implement manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	3	47	15	1 294	61 671	1 016	2 078	44 750	111 297	46 738	154 813	7 884
33351	Metalworking machinery manufacturing .....	3	47	15	1 294	61 671	1 016	2 078	44 750	111 297	46 738	154 813	7 884
333514	Special die and tool, die set, jig, and fixture manufacturing .....	4	24	9	799	39 219	632	1 316	28 181	68 604	21 993	89 764	4 658
335	Electrical equipment, appliance, and component manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	11	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	7	21	6	649	22 437	415	751	10 139	58 116	48 262	105 611	4 727
<b>WAUKESHA</b>													
31-33	Manufacturing .....	1	1 107	418	45 125	1 868 871	30 621	59 717	1 065 574	4 509 751	4 375 947	8 914 601	296 805
311	Food manufacturing .....	1	42	17	2 543	87 195	1 930	3 724	62 909	343 572	616 573	956 437	17 271
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	3	3	638	23 521	555	1 080	18 763	75 602	110 304	186 062	D
3119	Other food manufacturing .....	5	13	8	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	18	6	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	12	7	996	46 769	701	1 483	27 403	92 887	87 667	181 610	D
3222	Converted paper product manufacturing .....	—	12	7	996	46 769	701	1 483	27 403	92 887	87 667	181 610	D
32223	Stationery product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	130	52	6 416	232 967	4 906	8 838	154 939	549 800	333 363	882 453	41 036
3231	Printing and related support activities .....	—	130	52	6 416	232 967	4 906	8 838	154 939	549 800	333 363	882 453	41 036
32311	Printing .....	—	107	41	5 769	207 538	4 411	7 940	137 696	498 722	321 728	819 270	D
323110	Commercial lithographic printing .....	—	52	26	4 658	169 814	3 646	6 724	118 336	399 957	241 289	641 715	32 543
32312	Support activities for printing...	1	23	11	647	25 429	495	898	17 243	51 078	11 635	63 183	D
325	Chemical manufacturing .....	2	44	12	831	38 157	482	1 003	16 985	106 105	95 214	200 730	D
326	Plastics and rubber products manufacturing .....	1	54	26	3 273	119 325	2 413	4 689	73 617	233 681	237 358	469 435	38 887
3261	Plastics product manufacturing ..	1	51	23	h	D	D	D	D	D	D	D	38 247
32619	Other plastics product manufacturing .....	1	39	17	2 423	84 818	1 821	3 520	50 865	160 923	187 277	346 022	28 672
326199	All other plastics product manufacturing .....	1	37	16	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	2	32	13	747	30 133	575	1 214	20 681	83 528	67 936	151 808	D
3273	Cement and concrete product manufacturing .....	2	21	12	615	25 194	488	1 049	18 238	63 199	58 758	121 942	D
331	Primary metal manufacturing .....	—	'19	9	'1 418	'62 856	'1 029	'2 071	'36 620	'135 657	'79 962	'215 108	'16 464
3315	Foundries .....	—	15	9	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	5	5	1 053	51 670	715	1 380	28 011	110 093	64 881	174 501	D
331513	Steel foundries (except investment) .....	1	4	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WAUKESHA—Con.</b>													
332	Fabricated metal product manufacturing .....	1	286	96	8 358	338 293	6 074	12 397	205 852	763 445	549 036	1 328 111	52 460
3321	Forging and stamping.....	2	21	12	757	28 662	570	1 189	17 723	68 686	47 508	116 623	6 630
33211	Forging and stamping.....	2	21	12	757	28 662	570	1 189	17 723	68 686	47 508	116 623	6 630
332116	Metal stamping .....	3	14	10	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	44	18	1 119	42 581	737	1 501	23 884	94 799	85 190	187 558	D
33232	Ornamental and architectural metal products manufacturing .....	—	20	10	677	26 117	426	855	13 985	58 000	66 767	132 547	D
3324	Boiler, tank, and shipping container manufacturing .....	1	6	4	506	21 685	393	803	15 640	55 414	60 791	117 758	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	140	39	3 455	137 343	2 593	5 249	87 401	300 039	211 931	515 739	23 560
33271	Machine shops .....	—	115	26	2 609	104 943	1 931	3 893	65 070	224 704	146 528	374 091	19 805
332710	Machine shops .....	—	115	26	2 609	104 943	1 931	3 893	65 070	224 704	146 528	374 091	19 805
33272	Turned product and screw, nut, and bolt manufacturing .....	3	25	13	846	32 400	662	1 356	22 331	75 335	65 403	141 648	3 755
332721	Precision turned product manufacturing .....	—	18	10	706	27 506	544	1 097	18 678	50 166	40 718	91 807	2 344
3328	Coating, engraving, heat treating, and allied activities .....	—	32	7	826	32 180	637	1 345	20 003	53 628	20 518	73 951	1 993
33281	Coating, engraving, heat treating, and allied activities ..	—	32	7	826	32 180	637	1 345	20 003	53 628	20 518	73 951	1 993
332813	Electroplating, plating, polishing, anodizing, and coloring .....	—	14	2	522	20 228	423	929	12 954	27 037	9 829	36 777	533
3329	Other fabricated metal product manufacturing .....	—	27	10	1 214	59 028	772	1 570	30 967	133 575	99 380	234 356	9 822
33291	Metal valve manufacturing ....	—	6	3	887	44 723	516	1 061	21 311	110 023	90 310	201 781	D
332912	Fluid power valve and hose fitting manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	2	201	74	8 437	384 084	5 033	9 553	194 748	791 617	726 089	1 568 149	50 509
3331	Agriculture, construction, and mining machinery manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	4	29	8	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	5	23	5	g	D	D	D	D	D	D	D	3 583
333293	Printing machinery and equipment manufacturing ..	—	5	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	1	10	5	816	31 796	362	770	12 994	103 075	64 666	168 973	D
33331	Commercial and service industry machinery manufacturing .....	1	10	5	816	31 796	362	770	12 994	103 075	64 666	168 973	D
333319	Other commercial and service industry machinery manufacturing .....	1	8	5	f	D	D	D	D	D	D	D	2 696
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	5	7	4	643	25 167	362	638	10 493	68 546	69 139	137 161	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	5	7	4	643	25 167	362	638	10 493	68 546	69 139	137 161	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	6	4	3	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	93	27	2 069	91 932	1 466	2 926	53 994	147 207	95 159	244 976	10 057
33351	Metalworking machinery manufacturing .....	2	93	27	2 069	91 932	1 466	2 926	53 994	147 207	95 159	244 976	10 057
333515	Cutting tool and machine tool accessory manufacturing...	1	21	8	763	33 184	470	969	15 447	47 031	50 754	99 365	3 792

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WAUKESHA—Con.</b>													
333 3336	Machinery manufacturing—Con. Engine, turbine, and power transmission equipment manufacturing .....	—	12	8	1 329	70 705	818	1 658	39 327	129 648	160 797	335 454	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	12	8	1 329	70 705	818	1 658	39 327	129 648	160 797	335 454	D
333618	Other engine equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	3	44	17	1 599	70 557	838	1 732	27 124	171 899	147 125	322 370	11 840
33392	Material handling equipment manufacturing .....	—	13	6	533	22 322	277	573	7 844	48 724	45 202	97 036	4 549
33399	All other general purpose machinery manufacturing ....	5	27	9	956	43 246	515	1 064	17 673	110 051	88 505	199 496	6 773
334	Computer and electronic product manufacturing .....	—	53	32	3 374	173 883	2 047	3 903	93 067	466 483	793 995	1 225 661	D
3344	Semiconductor and other electronic component manufacturing .....	—	17	8	694	22 607	483	868	11 975	46 675	39 639	88 086	D
33441	Semiconductor and other electronic component manufacturing .....	—	17	8	694	22 607	483	868	11 975	46 675	39 639	88 086	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	27	19	2 308	135 860	1 364	2 662	75 511	394 281	632 263	990 423	16 199
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	27	19	2 308	135 860	1 364	2 662	75 511	394 281	632 263	990 423	16 199
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	8	7	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	42	22	h	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	26	14	h	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	26	14	h	D	D	D	D	D	D	D	D
335311	Power, distribution, and specialty transformer manufacturing .....	—	4	4	1 477	81 093	957	2 019	47 730	188 756	148 162	337 524	4 977
335312	Motor and generator manufacturing .....	1	6	3	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	—	14	6	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	15	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	23	8	679	21 178	517	1 018	13 913	64 681	48 253	113 655	D
337	Furniture and related product manufacturing .....	1	52	7	f	D	D	D	D	D	D	D	1 116
339	Miscellaneous manufacturing .....	1	71	29	2 175	80 762	1 353	2 669	37 219	288 874	156 329	448 289	14 438
3391	Medical equipment and supplies manufacturing .....	1	23	9	772	30 894	433	835	12 989	149 911	34 948	182 800	2 612
33911	Medical equipment and supplies manufacturing .....	1	23	9	772	30 894	433	835	12 989	149 911	34 948	182 800	2 612
3399	Other miscellaneous manufacturing .....	1	48	20	1 403	49 868	920	1 834	24 230	138 963	121 381	265 489	11 826
<b>WAUPACA</b>													
31-33	Manufacturing .....	—	106	34	7 023	224 371	6 012	11 933	172 795	589 488	1 042 590	1 640 954	51 747
311	Food manufacturing .....	—	22	9	2 449	68 699	2 071	4 098	51 120	99 048	630 041	738 391	13 139
3115	Dairy product manufacturing .....	—	9	5	509	18 754	443	823	14 433	S	384 168	353 075	D
31151	Dairy product (except frozen) manufacturing .....	—	9	5	509	18 754	443	823	14 433	S	384 168	353 075	D
311513	Cheese manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	1	1	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	1	1	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	7 495

See footnotes at end of table.



**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WAUPACA—Con.</b>													
326	Plastics and rubber products manufacturing .....	—	7	4	1 026	31 235	903	1 362	26 211	123 393	94 325	220 164	9 198
3261	Plastics product manufacturing ..	—	7	4	1 026	31 235	903	1 362	26 211	123 393	94 325	220 164	9 198
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3315	Foundries .....	—	1	1	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	g	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>WAUSHARA</b>													
31-33	Manufacturing .....	2	34	6	658	18 794	570	1 207	14 937	41 921	38 903	80 358	2 536
<b>WINNEBAGO</b>													
31-33	Manufacturing .....	—	310	159	23 924	969 239	16 757	33 344	613 693	2 929 411	3 257 853	6 230 756	203 748
311	Food manufacturing .....	6	24	6	539	17 504	386	775	11 615	61 403	90 791	152 270	3 281
321	Wood product manufacturing .....	2	11	8	830	25 282	642	1 144	16 886	48 962	80 443	129 074	2 471
3219	Other wood product manufacturing .....	—	10	7	f	D	D	D	D	D	D	D	D
32191	Millwork .....	—	7	6	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	4	3	543	16 463	429	805	11 746	39 660	49 555	88 792	1 576
322	Paper manufacturing .....	—	39	30	6 589	281 980	5 040	10 727	206 248	1 525 713	910 942	2 444 226	62 295
3221	Pulp, paper, and paperboard mills .....	—	8	8	2 295	108 338	1 755	4 029	86 566	637 348	295 458	936 685	D
32212	Paper mills .....	—	6	6	g	D	D	D	D	D	D	D	37 625
322121	Paper (except newsprint) mills .....	—	6	6	g	D	D	D	D	D	D	D	37 625
3222	Converted paper product manufacturing .....	—	31	22	4 294	173 642	3 285	6 698	119 682	888 365	615 484	1 507 541	D
32221	Paperboard container manufacturing .....	—	12	8	1 002	47 045	776	1 531	33 134	119 324	129 648	244 676	5 400
32229	Other converted paper product manufacturing .....	—	13	11	2 957	113 479	2 269	4 636	79 122	725 529	432 567	1 165 232	15 958
322291	Sanitary paper product manufacturing .....	—	8	8	2 460	96 901	1 888	3 872	70 304	703 937	383 168	1 094 241	14 262
323	Printing and related support activities .....	—	48	27	4 031	159 069	2 379	4 790	81 370	324 889	217 270	543 228	30 329
3231	Printing and related support activities .....	—	48	27	4 031	159 069	2 379	4 790	81 370	324 889	217 270	543 228	30 329
32311	Printing .....	—	42	21	3 590	139 706	2 084	4 194	69 379	291 405	203 065	495 204	24 820
323110	Commercial lithographic printing .....	—	20	12	2 044	78 743	1 056	2 139	32 865	168 918	76 037	244 950	17 445
323117	Books printing .....	—	3	3	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	21	18	2 644	119 891	2 103	4 523	90 021	413 961	471 924	877 363	44 715
3261	Plastics product manufacturing ..	1	17	15	2 437	109 884	1 970	4 251	83 013	384 956	452 330	829 493	44 390
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	10	10	g	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	2	8	8	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	3	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	52	22	1 136	41 392	837	1 572	26 019	86 076	70 428	156 981	4 843
333	Machinery manufacturing .....	1	31	19	1 262	56 866	823	1 568	30 524	123 659	76 189	200 779	3 384
3332	Industrial machinery manufacturing .....	—	9	5	512	27 127	325	615	14 414	62 349	31 656	95 392	1 818
33329	Other industrial machinery manufacturing .....	—	9	5	512	27 127	325	615	14 414	62 349	31 656	95 392	1 818

See footnotes at end of table.

**Table 3. Industry Statistics for Counties: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WINNEBAGO—Con.</b>													
334	Computer and electronic product manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	988
3344	Semiconductor and other electronic component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	9	6	2 597	122 668	1 813	3 234	65 850	59 102	781 426	877 523	4 487
3361	Motor vehicle manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
<b>WOOD</b>													
31-33	Manufacturing .....	—	138	50	8 395	349 476	6 731	12 609	252 351	1 021 921	1 324 912	2 325 811	64 938
311	Food manufacturing .....	—	22	13	1 004	34 642	867	1 710	28 373	130 141	352 709	474 961	6 563
3115	Dairy product manufacturing .....	—	12	9	681	25 919	592	1 190	21 830	117 761	334 946	444 818	5 118
31151	Dairy product (except frozen) manufacturing .....	—	11	9	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	—	9	8	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	—	16	9	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	—	12	6	g	D	D	D	D	D	D	D	D
32191	Millwork .....	—	4	2	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	9	8	h	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	—	5	5	h	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	4	4	h	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	4	4	h	D	D	D	D	D	D	D	D

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 4. Industry Statistics for Places: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>ALGOMA</b>													
31-33	Manufacturing .....	-	17	7	1 104	33 764	834	1 467	22 833	77 898	63 965	144 261	4 693
321	Wood product manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
<b>AMERY</b>													
31-33	Manufacturing .....	1	20	7	588	15 949	474	877	11 256	26 649	26 451	55 458	3 970
<b>ANTIGO</b>													
31-33	Manufacturing .....	-	31	12	1 046	30 979	841	1 714	21 222	89 787	56 936	140 695	10 469
<b>APPLETON</b>													
31-33	Manufacturing .....	-	110	48	7 532	329 969	5 046	9 815	199 682	881 030	1 151 827	2 039 853	34 252
322	Paper manufacturing .....	-	13	10	2 340	109 493	1 843	3 686	73 496	409 996	468 807	879 342	13 006
3222	Converted paper product manufacturing .....	-	11	8	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	3	5	4	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	21	7	896	33 535	557	1 024	16 814	138 250	56 686	195 145	3 438
3231	Printing and related support activities .....	-	21	7	896	33 535	557	1 024	16 814	138 250	56 686	195 145	3 438
32311	Printing .....	-	19	6	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	13	7	2 106	108 928	1 061	2 083	60 642	169 979	370 848	545 390	11 036
3332	Industrial machinery manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	-	1	1	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>ASHLAND</b>													
31-33	Manufacturing .....	-	19	7	766	24 551	495	971	13 488	38 396	32 246	71 218	658
<b>ASHWAUBENON</b>													
31-33	Manufacturing .....	1	84	43	5 046	196 382	3 546	6 729	118 018	506 542	518 793	1 017 167	26 442
322	Paper manufacturing .....	1	9	8	1 287	43 897	1 002	2 030	29 007	119 018	190 705	308 244	9 504
3222	Converted paper product manufacturing .....	1	9	8	1 287	43 897	1 002	2 030	29 007	119 018	190 705	308 244	9 504
32229	Other converted paper product manufacturing .....	4	4	4	f	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	4	4	4	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	9	11	3	537	16 359	480	518	14 011	68 007	38 832	106 829	D
3231	Printing and related support activities .....	9	11	3	537	16 359	480	518	14 011	68 007	38 832	106 829	D
32311	Printing .....	9	10	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	16	9	853	28 985	704	1 403	21 291	58 746	30 073	88 809	2 058
333	Machinery manufacturing .....	-	14	7	1 266	72 103	529	1 156	30 662	133 685	93 928	223 927	3 630
3332	Industrial machinery manufacturing .....	-	7	3	924	56 859	331	771	22 086	107 659	71 439	175 156	2 826
33329	Other industrial machinery manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALDWIN</b>													
31-33	Manufacturing .....	-	17	8	1 171	37 170	962	1 572	26 023	109 409	92 089	199 078	D
<b>BARABOO</b>													
31-33	Manufacturing .....	-	24	12	1 758	58 665	1 464	3 055	44 846	118 503	126 431	246 959	14 405
323	Printing and related support activities .....	-	3	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	3	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	3	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	5	5	770	23 363	658	1 427	17 512	44 475	27 457	71 575	D
3261	Plastics product manufacturing ..	-	4	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BARRON</b>													
31-33	Manufacturing .....	-	7	2	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BEAVER DAM</b>													
31-33	Manufacturing .....	-	27	13	1 203	39 164	939	1 859	26 929	159 209	106 400	265 868	6 278
<b>BELLEVUE</b>													
31-33	Manufacturing .....	-	31	8	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	6	5	664	21 593	530	1 194	16 639	98 622	46 466	145 377	D
3372	Office furniture (including fixtures) manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BELOIT</b>													
31-33	Manufacturing .....	-	56	24	3 214	123 367	2 261	4 401	76 122	710 524	365 715	1 049 338	27 427
311	Food manufacturing .....	-	6	6	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	11	7	681	32 735	327	644	12 764	89 693	83 553	152 290	D
<b>BERLIN</b>													
31-33	Manufacturing .....	2	22	11	855	24 942	683	1 357	17 247	53 635	46 601	99 120	1 019
<b>BLACK RIVER FALLS</b>													
31-33	Manufacturing .....	4	15	9	728	21 373	582	1 167	14 917	56 498	72 865	122 314	D
<b>BLOOMER</b>													
31-33	Manufacturing .....	-	18	6	523	17 324	410	860	11 701	46 327	41 273	87 710	3 039
<b>BOSCOBEL</b>													
31-33	Manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BRILLION</b>													
31-33	Manufacturing .....	-	8	3	g	D	D	D	D	D	D	D	9 059
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>BROOKFIELD</b>													
31-33	Manufacturing .....	2	74	23	2 468	104 805	1 614	3 276	56 847	200 731	212 510	415 059	13 736
323	Printing and related support activities .....	1	10	3	559	24 173	441	912	17 309	43 688	37 147	80 700	2 894
3231	Printing and related support activities .....	1	10	3	559	24 173	441	912	17 309	43 688	37 147	80 700	2 894
32311	Printing .....	1	8	3	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	1	6	3	518	22 558	409	850	16 249	40 371	36 326	76 617	2 756
333	Machinery manufacturing .....	3	14	6	759	34 614	473	1 016	18 352	36 561	75 469	112 788	5 261
<b>BROWN DEER</b>													
31-33	Manufacturing .....	-	21	7	1 664	76 739	1 079	2 059	35 406	192 505	164 340	355 783	7 555
334	Computer and electronic product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BURLINGTON</b>													
31-33	Manufacturing .....	-	41	16	2 663	96 236	1 932	3 879	62 333	381 877	393 299	775 946	25 595
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31132	Chocolate and confectionery manufacturing from cacao beans .....	-	1	1	f	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	-	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
<b>CALEDONIA</b>													
31-33	Manufacturing .....	2	27	13	797	32 879	439	859	13 881	59 704	61 857	122 590	2 318
<b>CEDARBURG</b>													
31-33	Manufacturing .....	4	32	9	1 154	47 338	864	1 781	31 330	94 077	101 476	195 887	8 787
<b>CHILTON</b>													
31-33	Manufacturing .....	1	17	7	f	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	1 603

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>CHIPPEWA FALLS</b>													
31-33	Manufacturing .....	2	45	24	3 223	119 107	2 107	4 174	67 182	395 433	333 825	741 172	13 252
316	Leather and allied product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	3	3	534	19 838	423	736	14 122	90 349	72 334	162 013	2 621
3261	Plastics product manufacturing ..	—	3	3	534	19 838	423	736	14 122	90 349	72 334	162 013	2 621
334	Computer and electronic product manufacturing .....	4	4	3	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	4	3	3	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	4	3	3	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>CLINTONVILLE</b>													
31-33	Manufacturing .....	1	12	6	f	D	D	D	D	D	D	D	2 502
<b>COLUMBUS</b>													
31-33	Manufacturing .....	1	24	12	1 003	35 187	733	1 412	21 809	126 937	142 016	270 052	3 924
<b>CUDAHY</b>													
31-33	Manufacturing .....	1	51	19	3 744	129 417	2 876	5 124	87 332	303 024	343 527	651 034	37 734
311	Food manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	1	1	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	18	5	1 042	45 323	782	1 388	31 141	86 726	91 617	180 290	9 314
3321	Forging and stamping .....	—	1	1	f	D	D	D	D	D	D	D	D
33211	Forging and stamping .....	—	1	1	f	D	D	D	D	D	D	D	D
332111	Iron and steel forging .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	4	12	6	776	29 571	568	1 132	18 315	73 113	55 178	130 216	3 768
<b>DEFOREST</b>													
31-33	Manufacturing .....	—	17	9	735	23 910	489	991	14 189	59 321	109 413	167 813	2 603
<b>DEHAVAN</b>													
31-33	Manufacturing .....	1	32	13	2 430	100 297	1 665	3 319	57 126	267 997	260 730	527 236	12 840
333	Machinery manufacturing .....	2	5	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	2	3	2	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	2	2	2	g	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	2	2	2	g	D	D	D	D	D	D	D	D
<b>DE PERE</b>													
31-33	Manufacturing .....	1	56	25	2 806	114 588	1 862	3 669	63 552	250 506	271 259	524 415	15 561
322	Paper manufacturing .....	1	8	7	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	7	4	628	25 294	447	929	15 296	49 104	43 645	93 627	D
3231	Printing and related support activities .....	—	7	4	628	25 294	447	929	15 296	49 104	43 645	93 627	D
32311	Printing .....	—	6	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	8	5	741	36 355	329	664	12 328	69 774	56 097	127 707	752
<b>EAST TROY</b>													
31-33	Manufacturing .....	—	21	7	1 001	34 692	532	1 052	17 540	122 507	128 394	251 825	D

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>EAU CLAIRE</b>													
31-33	Manufacturing .....	2	93	38	4 657	159 775	3 495	6 873	110 855	576 163	384 947	958 981	52 910
311	Food manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	5	6	6	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	11	6	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	7	4	g	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	-	3	2	f	D	D	D	D	D	D	D	D
334112	Computer storage device manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>ELKHORN</b>													
31-33	Manufacturing .....	1	41	22	g	D	D	D	D	D	D	D	D
<b>FITCHBURG</b>													
31-33	Manufacturing .....	-	31	13	2 251	112 766	850	1 684	32 705	317 826	206 929	520 108	11 055
325	Chemical manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	8	7	1 054	56 528	269	496	9 461	160 481	96 430	251 147	5 648
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	7	7	g	D	D	D	D	D	D	D	5 648
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	7	7	g	D	D	D	D	D	D	D	5 648
334516	Analytical laboratory instrument manufacturing ..	-	3	3	f	D	D	D	D	D	D	D	D
<b>FOND DU LAC</b>													
31-33	Manufacturing .....	-	81	34	5 539	240 377	3 764	7 422	131 616	661 956	752 059	1 408 281	24 504
331	Primary metal manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	9	5	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	-	1	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>FORT ATKINSON</b>													
31-33	Manufacturing .....	-	19	13	2 055	77 905	1 610	3 178	52 655	205 991	337 408	548 955	13 415
311	Food manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	2	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	2	2	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	-	2	2	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>FRANKLIN</b>													
31-33	Manufacturing .....	-	53	28	2 705	115 885	1 733	3 438	53 429	287 207	278 894	562 939	15 095
332	Fabricated metal product manufacturing .....	-	14	6	934	47 612	534	1 126	20 825	80 233	163 305	243 879	4 596
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	7	3	f	D	D	D	D	D	D	D	3 563
33271	Machine shops .....	-	3	1	f	D	D	D	D	D	D	D	D
332710	Machine shops .....	-	3	1	f	D	D	D	D	D	D	D	D
<b>GERMANTOWN</b>													
31-33	Manufacturing .....	3	92	39	3 942	148 344	2 698	5 422	86 695	350 613	307 168	659 806	31 128
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	'24	'10	'685	'27 861	'441	'882	'16 304	'57 343	'30 198	'87 243	'9 908
333	Machinery manufacturing .....	3	'31	'11	'940	'42 709	'643	'1 293	'25 606	'76 751	'60 810	'138 982	'4 450
3335	Metalworking machinery manufacturing .....	4	19	6	635	28 457	485	974	19 520	51 503	26 471	76 490	3 182
33351	Metalworking machinery manufacturing .....	4	19	6	635	28 457	485	974	19 520	51 503	26 471	76 490	3 182
<b>GLENDALE</b>													
31-33	Manufacturing .....	1	45	21	2 978	136 341	1 726	3 481	60 175	413 120	324 928	736 841	11 090
332	Fabricated metal product manufacturing .....	-	11	4	f	D	D	D	D	D	D	D	5 145
3325	Hardware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>GRAFTON</b>													
31-33	Manufacturing .....	-	53	25	3 081	124 340	2 287	4 623	78 204	273 296	262 482	529 225	30 554
331	Primary metal manufacturing .....	-	5	4	726	28 681	617	1 423	25 427	56 231	44 636	102 347	D
3315	Foundries .....	-	4	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	11	6	634	21 808	498	811	14 827	52 272	25 572	77 664	D
<b>GRAND CHUTE</b>													
31-33	Manufacturing .....	-	50	15	2 556	86 069	2 009	3 595	58 637	113 853	208 094	316 697	14 533
311	Food manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



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<b>GREEN BAY</b>													
31-33	Manufacturing .....	-	157	64	12 187	511 761	9 714	20 014	375 433	2 776 370	2 159 780	4 882 791	139 478
311	Food manufacturing .....	-	27	11	3 989	127 584	3 140	6 970	83 214	418 390	975 626	1 380 222	12 730
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	2	2	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	4	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	4	3	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	3	2	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	14	12	5 495	282 167	4 653	9 145	230 308	2 106 997	982 250	3 052 778	D
3221	Pulp, paper, and paperboard mills .....	-	5	5	h	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	4	4	h	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	4	4	h	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	9	7	g	D	D	D	D	D	D	D	6 650
32229	Other converted paper product manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	5 490
322291	Sanitary paper product manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	27	9	647	23 860	437	831	12 732	44 401	25 309	69 998	1 903
333	Machinery manufacturing .....	1	19	9	596	26 092	367	704	13 246	72 533	56 733	129 387	2 955
<b>HARTFORD</b>													
31-33	Manufacturing .....	-	41	21	3 910	144 609	3 174	6 107	108 101	459 269	327 442	785 878	27 615
323	Printing and related support activities .....	-	4	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	4	2	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	4	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	3	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	15	7	836	25 789	716	1 434	20 141	59 102	33 851	93 085	2 894
3323	Architectural and structural metals manufacturing .....	-	5	3	534	17 422	447	871	13 452	41 192	30 787	72 192	2 454
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>HARTLAND</b>													
31-33	Manufacturing .....	-	56	16	1 590	71 415	882	1 781	29 831	159 967	85 519	245 810	13 224
<b>HORICON</b>													
31-33	Manufacturing .....	-	12	7	1 927	94 688	1 292	2 441	54 917	404 939	400 162	825 790	D
333	Machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
<b>HOWARD</b>													
31-33	Manufacturing .....	-	29	10	f	D	D	D	D	D	D	D	4 266
<b>HUDSON</b>													
31-33	Manufacturing .....	-	32	13	1 196	46 590	864	1 675	27 913	97 839	162 494	259 183	6 977
333	Machinery manufacturing .....	-	7	5	620	26 953	429	891	16 245	54 500	75 311	129 019	4 083

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>JACKSON</b>													
31-33	Manufacturing .....	1	26	9	783	30 355	512	1 081	15 880	96 569	108 969	200 622	4 170
<b>JANESVILLE</b>													
31-33	Manufacturing .....	-	103	35	10 092	556 640	8 060	16 188	429 399	4 853 634	5 402 888	10 258 550	31 695
326	Plastics and rubber products manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	7	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	8	3	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
<b>JEFFERSON</b>													
31-33	Manufacturing .....	-	20	9	1 865	64 593	1 393	2 861	42 249	436 108	389 423	829 479	6 782
311	Food manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>KAUKAUNA</b>													
31-33	Manufacturing .....	1	24	10	1 766	78 810	1 337	2 736	52 785	163 651	172 680	339 391	27 085
322	Paper manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>KENOSHA</b>													
31-33	Manufacturing .....	-	126	43	5 234	256 673	4 051	8 355	191 294	621 147	884 551	1 507 557	49 630
332	Fabricated metal product manufacturing .....	3	33	10	983	38 842	791	1 658	27 712	73 038	32 513	105 464	4 627
336	Transportation equipment manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>KIEL</b>													
31-33	Manufacturing .....	-	17	8	1 124	36 641	867	1 360	25 146	120 082	241 142	368 028	5 233
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>KIMBERLY</b>													
31-33	Manufacturing .....	-	11	3	988	53 977	798	1 595	41 060	173 187	258 033	428 450	13 937
322	Paper manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>LA CROSSE</b>													
31-33	Manufacturing .....	-	103	34	6 013	223 269	3 839	7 498	112 366	443 250	719 159	1 168 510	33 078
311	Food manufacturing .....	-	14	6	615	19 659	432	860	12 297	73 618	226 582	303 758	D
323	Printing and related support activities .....	-	21	5	686	22 812	542	1 002	13 929	46 930	35 739	82 043	2 775
3231	Printing and related support activities .....	-	21	5	686	22 812	542	1 002	13 929	46 930	35 739	82 043	2 775
32311	Printing .....	-	19	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	21	7	604	24 775	467	861	17 571	69 059	88 669	157 577	D
333	Machinery manufacturing .....	-	5	2	h	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
<b>LADYSMITH</b>													
31-33	Manufacturing .....	-	15	6	f	D	D	D	D	D	D	D	2 457
321	Wood product manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
32191	Millwork .....	-	2	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>LAKE GENEVA</b>													
31-33	Manufacturing .....	-	22	8	g	D	D	D	D	D	D	D	4 829
326	Plastics and rubber products manufacturing .....	-	4	3	523	20 155	389	823	11 690	43 071	43 970	87 774	1 706
<b>LAKE MILLS</b>													
31-33	Manufacturing .....	2	19	10	g	D	D	D	D	D	D	D	D
<b>LITTLE CHUTE</b>													
31-33	Manufacturing .....	-	34	18	1 922	69 687	1 450	2 987	45 373	241 225	269 561	514 038	16 415
311	Food manufacturing .....	-	6	4	1 181	42 130	982	2 052	31 543	186 208	237 765	427 197	12 811
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MADISON</b>													
31-33	Manufacturing .....	-	224	69	10 650	447 335	6 811	13 401	232 358	1 670 597	1 245 095	2 903 882	72 486
311	Food manufacturing .....	-	32	10	2 904	105 642	2 016	4 168	71 705	350 535	515 546	846 351	19 095
3116	Animal slaughtering and processing .....	-	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	2	1	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	1	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	-	18	4	769	19 216	332	634	9 184	15 513	26 473	41 965	769
31181	Bread and bakery product manufacturing .....	-	17	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	8	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	56	16	1 690	63 652	1 260	2 246	40 884	133 475	55 503	190 878	4 540
3231	Printing and related support activities .....	-	56	16	1 690	63 652	1 260	2 246	40 884	133 475	55 503	190 878	4 540
32311	Printing .....	-	49	13	1 483	56 116	1 117	2 022	36 232	117 818	53 878	173 988	4 087
323117	Books printing .....	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	12	3	813	39 347	440	648	17 077	92 266	85 637	182 094	6 852
3261	Plastics product manufacturing ..	-	12	3	813	39 347	440	648	17 077	92 266	85 637	182 094	6 852
32619	Other plastics product manufacturing .....	-	9	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	9	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ...	-	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	13	7	912	41 248	479	939	14 783	69 206	73 369	145 592	3 378
334	Computer and electronic product manufacturing .....	5	14	5	745	47 180	170	336	7 263	90 086	85 645	174 128	5 246
335	Electrical equipment, appliance, and component manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	23	4	887	44 717	439	877	16 446	189 137	127 747	316 830	D
3391	Medical equipment and supplies manufacturing .....	-	13	2	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	13	2	f	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
<b>MANITOWOC</b>													
31-33	Manufacturing .....	-	88	48	7 975	289 768	6 035	10 844	188 568	868 182	720 894	1 575 799	38 289
311	Food manufacturing .....	-	11	8	962	31 410	674	1 187	16 710	104 056	96 279	200 040	D
331	Primary metal manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	3	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ...	-	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	24	13	2 148	78 801	1 724	2 627	55 510	272 525	150 479	426 587	7 868
3322	Cutlery and handtool manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	-	3	3	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	8	5	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MANITOWOC—Con.</b>													
336	Transportation equipment manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>MARINETTE</b>													
31-33	Manufacturing .....	—	33	11	3 826	152 334	2 967	6 173	104 133	564 270	454 526	1 016 179	28 733
331	Primary metal manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	—	2	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	—	1	1	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	—	1	1	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>MARSHFIELD</b>													
31-33	Manufacturing .....	—	54	21	3 032	102 822	2 354	4 269	67 752	205 900	348 579	556 505	13 414
321	Wood product manufacturing .....	—	8	5	1 855	57 993	1 484	2 602	39 435	123 860	129 539	251 237	D
3219	Other wood product manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
32191	Millwork .....	—	3	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>MAYVILLE</b>													
31-33	Manufacturing .....	—	23	17	2 560	84 148	2 115	4 151	61 048	235 104	249 780	495 316	11 437
311	Food manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	6	5	g	D	D	D	D	D	D	D	3 503
3321	Forging and stamping.....	—	2	2	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	2	2	f	D	D	D	D	D	D	D	D
332116	Metal stamping .....	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MEDFORD</b>													
31-33	Manufacturing .....	-	18	10	2 872	91 384	2 200	4 031	63 142	186 956	240 651	424 158	18 001
311	Food manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	5	4	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	1	5	4	g	D	D	D	D	D	D	D	D
32191	Millwork .....	1	5	4	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	1	4	3	g	D	D	D	D	D	D	D	D
<b>MENASHA CITY</b>													
31-33	Manufacturing .....	2	33	19	2 795	126 670	2 032	4 351	86 086	379 464	331 564	710 531	18 837
322	Paper manufacturing .....	1	10	8	1 177	55 593	938	2 019	41 069	178 048	190 678	368 228	9 833
3222	Converted paper product manufacturing .....	-	7	5	684	30 218	531	1 171	21 016	90 181	101 151	188 573	D
323	Printing and related support activities .....	-	9	4	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	9	4	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	7	2	f	D	D	D	D	D	D	D	D
323117	Books printing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>MENASHA TOWN</b>													
31-33	Manufacturing .....	-	37	16	2 639	111 574	2 025	4 400	85 245	786 292	222 835	1 013 159	39 787
322	Paper manufacturing .....	-	8	5	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	2	2	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	6	3	703	28 092	535	1 082	20 171	292 235	82 872	378 434	D
323	Printing and related support activities .....	-	6	5	592	17 697	517	1 128	14 087	32 913	18 347	51 304	D
3231	Printing and related support activities .....	-	6	5	592	17 697	517	1 128	14 087	32 913	18 347	51 304	D
32311	Printing .....	-	6	5	592	17 697	517	1 128	14 087	32 913	18 347	51 304	D
323110	Commercial lithographic printing .....	-	3	3	f	D	D	D	D	D	D	D	D
<b>MENOMONEE FALLS</b>													
31-33	Manufacturing .....	1	207	90	8 727	361 837	5 873	11 548	200 192	817 300	696 335	1 555 753	69 552
323	Printing and related support activities .....	-	21	9	1 136	46 194	761	1 364	22 803	114 778	54 370	169 582	D
3231	Printing and related support activities .....	-	21	9	1 136	46 194	761	1 364	22 803	114 778	54 370	169 582	D
32311	Printing .....	-	17	7	1 068	43 010	707	1 264	20 504	108 872	53 456	162 818	D
323110	Commercial lithographic printing .....	-	7	4	845	33 925	560	996	15 577	91 958	41 175	133 712	D
326	Plastics and rubber products manufacturing .....	1	13	4	631	20 606	480	1 039	14 026	37 655	32 641	69 983	D
3261	Plastics product manufacturing ..	1	13	4	631	20 606	480	1 039	14 026	37 655	32 641	69 983	D
32619	Other plastics product manufacturing .....	1	12	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	57	25	2 498	103 848	1 789	3 633	63 906	212 527	149 356	371 154	17 024
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	26	10	1 473	62 739	1 057	2 109	37 363	124 889	79 873	206 399	10 523
33271	Machine shops .....	-	20	7	1 157	50 374	796	1 625	28 330	104 123	69 712	175 524	9 753
332710	Machine shops .....	-	20	7	1 157	50 374	796	1 625	28 330	104 123	69 712	175 524	9 753

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MENOMONEE FALLS—Con.</b>													
333	Machinery manufacturing .....	—	45	18	1 860	91 543	1 074	1 968	45 782	193 473	215 086	434 816	16 390
3331	Agriculture, construction, and mining machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	7	6	5	632	22 371	459	936	12 169	58 985	69 377	129 057	2 047
<b>MENOMONIE</b>													
31-33	Manufacturing .....	—	26	13	g	D	D	D	D	D	D	D	24 924
334	Computer and electronic product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
<b>MEQUON</b>													
31-33	Manufacturing .....	1	49	21	2 770	134 738	1 558	2 629	56 088	294 336	328 299	620 765	16 251
335	Electrical equipment, appliance, and component manufacturing .....	—	4	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>MERRILL</b>													
31-33	Manufacturing .....	—	31	16	2 057	58 609	1 676	3 308	42 856	139 257	132 511	272 237	D
321	Wood product manufacturing .....	—	9	4	1 045	29 908	853	1 711	22 609	73 515	77 686	151 242	D
3219	Other wood product manufacturing .....	—	7	4	g	D	D	D	D	D	D	D	D
32191	Millwork .....	—	7	4	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	6	4	1 026	29 254	837	1 676	22 094	71 211	76 692	147 784	D
<b>MIDDLETON</b>													
31-33	Manufacturing .....	1	62	23	3 430	137 903	1 849	3 396	62 926	249 882	223 190	475 283	29 502
334	Computer and electronic product manufacturing .....	—	9	8	631	30 243	252	495	7 230	70 243	42 505	110 054	2 029
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	7	6	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	7	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	7	1	g	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE</b>													
31-33	Manufacturing .....	1	'744	'282	'34 957	'1 380 000	'22 513	'42 840	'729 159	'3 581 894	'3 823 078	'7 427 818	'187 855
311	Food manufacturing .....	-	62	29	4 143	123 438	3 008	5 944	79 362	433 517	827 707	1 264 532	22 890
3116	Animal slaughtering and processing .....	-	10	6	1 901	50 202	1 490	3 203	38 517	28 916	555 083	591 277	3 002
31161	Animal slaughtering and processing .....	-	10	6	1 901	50 202	1 490	3 203	38 517	28 916	555 083	591 277	3 002
311611	Animal (except poultry) slaughtering .....	-	6	4	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	-	4	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	2	25	10	556	13 142	356	599	7 177	26 597	16 124	42 406	2 990
31181	Bread and bakery product manufacturing .....	1	22	9	527	12 447	328	554	6 510	24 661	14 732	39 196	2 923
3119	Other food manufacturing .....	-	18	9	1 085	37 416	767	1 274	22 350	310 082	118 176	426 062	14 707
312	Beverage and tobacco product manufacturing .....	9	4	2	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	9	4	2	g	D	D	D	D	D	D	D	D
31212	Breweries .....	9	3	1	g	D	D	D	D	D	D	D	D
312120	Breweries .....	9	3	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	18	13	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	1	17	12	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	1	10	8	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	-	8	6	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	4	104	22	2 168	75 565	1 418	2 556	39 872	169 640	114 261	283 652	6 932
3231	Printing and related support activities .....	4	104	22	2 168	75 565	1 418	2 556	39 872	169 640	114 261	283 652	6 932
32311	Printing .....	5	91	20	g	D	D	D	D	D	D	D	6 666
323110	Commercial lithographic printing .....	3	33	10	708	27 713	460	852	15 185	57 189	38 600	95 868	1 806
325	Chemical manufacturing .....	3	44	22	1 763	80 731	952	1 922	42 433	219 060	214 634	434 945	11 687
3251	Basic chemical manufacturing ...	7	9	4	606	28 909	310	618	21 180	30 736	84 555	112 973	1 381
326	Plastics and rubber products manufacturing .....	2	22	14	986	36 680	693	1 306	18 871	88 129	80 161	168 708	4 769
3261	Plastics product manufacturing ..	2	21	13	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	3	17	10	687	25 411	460	843	11 543	57 242	51 400	109 511	D
326199	All other plastics product manufacturing .....	3	17	10	687	25 411	460	843	11 543	57 242	51 400	109 511	D
331	Primary metal manufacturing .....	1	24	17	2 361	80 748	1 947	3 907	57 171	157 517	149 422	306 999	5 996
3315	Foundries .....	-	19	13	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	6	4	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	-	3	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	1	13	9	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	'162	'63	'4 598	'181 771	'3 354	'6 795	'117 300	'399 362	'324 322	'730 226	'19 067
3321	Forging and stamping.....	3	14	11	726	29 940	536	1 084	21 603	62 317	52 650	115 269	D
33211	Forging and stamping.....	3	14	11	726	29 940	536	1 084	21 603	62 317	52 650	115 269	D
3323	Architectural and structural metals manufacturing .....	1	'25	'13	'1 016	'41 264	'730	'1 518	'25 774	'81 780	'97 265	'179 264	'2 385
33232	Ornamental and architectural metal products manufacturing .....	1	'14	'8	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	'8	'4	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	49	13	902	34 761	656	1 266	22 685	77 126	59 787	138 322	4 613
33271	Machine shops .....	1	40	10	661	26 637	485	921	17 850	58 056	46 240	104 935	3 933
332710	Machine shops .....	1	40	10	661	26 637	485	921	17 850	58 056	46 240	104 935	3 933
3328	Coating, engraving, heat treating, and allied activities .....	1	44	13	707	23 702	541	1 106	15 764	44 856	15 334	60 296	1 095
33281	Coating, engraving, heat treating, and allied activities ..	1	44	13	707	23 702	541	1 106	15 764	44 856	15 334	60 296	1 095
3329	Other fabricated metal product manufacturing .....	2	14	7	620	22 518	451	847	12 264	58 750	29 204	87 891	1 750

See footnotes at end of table.



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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>MILWAUKEE—Con.</b>													
333	Machinery manufacturing .....	1	80	29	3 250	146 607	1 970	3 786	78 437	291 327	194 521	478 117	16 457
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	7	2	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	7	2	g	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	5	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	2	24	7	613	25 017	302	563	8 549	41 729	31 443	74 054	919
33399	All other general purpose machinery manufacturing ....	1	16	5	508	20 136	241	434	6 341	32 970	21 191	55 064	634
334	Computer and electronic product manufacturing .....	1	34	15	2 481	119 509	1 072	2 049	34 592	455 709	395 059	855 478	22 985
3344	Semiconductor and other electronic component manufacturing .....	6	11	7	623	23 987	344	563	7 958	51 554	44 028	96 545	D
33441	Semiconductor and other electronic component manufacturing .....	6	11	7	623	23 987	344	563	7 958	51 554	44 028	96 545	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	9	4	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	9	4	g	D	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	21	13	5 904	236 132	2 675	3 490	67 846	470 675	666 319	1 146 882	24 060
3353	Electrical equipment manufacturing .....	—	12	8	5 090	204 235	2 107	2 401	50 808	358 086	618 630	987 646	D
33531	Electrical equipment manufacturing .....	—	12	8	5 090	204 235	2 107	2 401	50 808	358 086	618 630	987 646	D
335314	Relay and industrial control manufacturing .....	—	8	6	h	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	1 515
336	Transportation equipment manufacturing .....	1	23	8	g	D	D	D	D	D	D	D	6 611
3363	Motor vehicle parts manufacturing .....	1	13	6	1 383	71 128	1 112	2 436	54 697	166 520	185 333	350 841	D
33639	Other motor vehicle parts manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	35	7	616	24 751	409	818	13 282	51 018	34 605	87 705	D
339	Miscellaneous manufacturing .....	—	54	11	1 134	40 342	809	1 572	23 693	94 488	58 617	152 919	5 417
3399	Other miscellaneous manufacturing .....	—	36	7	903	30 864	661	1 275	19 416	66 721	50 786	117 517	1 506
<b>MONROE</b>													
31-33	Manufacturing .....	1	29	7	675	21 089	515	1 059	14 999	133 469	136 956	274 609	D
<b>MOSINEE</b>													
31-33	Manufacturing .....	—	10	5	2 095	76 268	1 648	3 025	51 252	195 878	163 469	355 794	5 424
321	Wood product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
32191	Millwork .....	—	1	1	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>MOUNT PLEASANT</b>													
31-33	Manufacturing .....	—	25	10	h	D	D	D	D	D	D	D	33 050
325	Chemical manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	—	2	1	g	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D

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<b>MUKWONAGO</b>													
31-33	Manufacturing .....	-	21	8	927	37 121	672	1 321	20 623	95 265	99 602	196 317	12 727
<b>MUSKEGO</b>													
31-33	Manufacturing .....	1	50	13	1 192	43 214	836	1 657	25 095	89 196	92 977	182 511	6 593
332	Fabricated metal product manufacturing .....	1	22	8	629	21 536	513	1 039	15 066	50 596	49 718	101 065	4 623
<b>NEENAH</b>													
31-33	Manufacturing .....	-	73	45	7 713	295 757	5 319	10 423	186 475	779 734	954 092	1 741 258	74 418
322	Paper manufacturing .....	-	9	9	2 169	85 121	1 577	3 486	54 130	356 758	271 017	630 394	9 610
3221	Pulp, paper, and paperboard mills .....	-	2	2	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	7	7	g	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	1	5	5	g	D	D	D	D	D	D	D	2 852
322291	Sanitary paper product manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	15	12	1 193	46 047	815	1 576	27 998	90 408	80 273	171 174	10 797
3231	Printing and related support activities .....	-	15	12	1 193	46 047	815	1 576	27 998	90 408	80 273	171 174	10 797
32311	Printing .....	-	12	9	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	4	4	506	23 573	402	853	18 733	82 212	79 904	159 080	D
331	Primary metal manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	3	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>NEKOOSA</b>													
31-33	Manufacturing .....	-	6	3	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>NEW BERLIN</b>													
31-33	Manufacturing .....	1	142	63	6 158	250 564	4 054	7 949	130 112	608 589	603 738	1 210 108	42 413
323	Printing and related support activities .....	1	22	11	924	30 984	710	1 077	19 992	65 290	37 908	102 458	2 936
3231	Printing and related support activities .....	1	22	11	924	30 984	710	1 077	19 992	65 290	37 908	102 458	2 936
32311	Printing .....	1	19	9	799	26 309	599	883	16 400	55 750	36 395	91 403	D
323110	Commercial lithographic printing .....	1	12	6	655	21 342	503	690	13 222	43 440	27 686	70 384	D
332	Fabricated metal product manufacturing .....	2	34	16	1 326	52 757	1 010	2 197	32 345	106 653	66 464	174 280	5 981
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	18	10	553	21 104	425	909	13 347	54 541	39 228	94 821	2 662
333	Machinery manufacturing .....	4	32	12	1 306	55 779	864	1 735	28 129	121 215	95 611	220 288	5 322

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>NEW BERLIN—Con.</b>													
334	Computer and electronic product manufacturing .....	-	10	8	790	34 919	532	1 032	20 124	152 257	161 606	307 141	7 977
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	7	6	567	26 676	368	717	15 076	136 496	154 787	283 799	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	7	6	567	26 676	368	717	15 076	136 496	154 787	283 799	D
335	Electrical equipment, appliance, and component manufacturing .....	-	8	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	7	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	7	2	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
<b>NEW HOLSTEIN</b>													
31-33	Manufacturing .....	-	9	5	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	-	1	1	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>NEW LONDON</b>													
31-33	Manufacturing .....	-	29	12	2 813	83 947	2 358	4 616	64 910	225 035	391 946	621 514	18 619
311	Food manufacturing .....	-	5	3	1 496	34 744	1 283	2 478	27 994	68 537	232 775	308 486	D
3116	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>NEW RICHMOND</b>													
31-33	Manufacturing .....	1	19	11	g	D	D	D	D	D	D	D	6 974
<b>OAK CREEK</b>													
31-33	Manufacturing .....	-	64	36	6 669	325 522	4 100	8 265	164 661	1 872 429	1 047 333	2 907 304	47 316
325	Chemical manufacturing .....	-	8	4	1 046	58 791	412	792	19 745	241 410	232 833	477 901	19 962
3255	Paint, coating, and adhesive manufacturing .....	-	3	3	960	54 386	349	662	16 518	207 793	193 149	401 580	D
32551	Paint and coating manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	14	9	1 058	56 210	637	1 417	26 932	176 596	80 614	272 872	8 972
3325	Hardware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	5	8	4	704	33 205	353	660	12 512	26 099	41 410	55 335	1 397
336	Transportation equipment manufacturing .....	-	4	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>OCONOMOWOC</b>													
31-33	Manufacturing .....	1	50	21	1 808	63 605	1 293	2 303	34 779	206 012	175 211	381 016	8 687
<b>OCONTO</b>													
31-33	Manufacturing .....	-	15	8	1 062	28 940	898	1 662	22 487	51 079	61 673	114 682	2 009
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	-	1	1	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	-	1	1	f	D	D	D	D	D	D	D	D
336612	Boat building .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>ONALASKA</b>													
31-33	Manufacturing .....	-	17	7	557	16 468	447	790	10 257	46 349	36 145	81 832	3 684
<b>OSHKOSH</b>													
31-33	Manufacturing .....	1	117	60	8 176	332 298	5 799	11 180	201 896	648 288	1 447 059	2 127 550	54 045
322	Paper manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	13	10	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	11	9	g	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	7	7	g	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	1	5	5	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	28	15	754	25 031	563	1 043	16 651	48 349	28 052	76 257	2 337
336	Transportation equipment manufacturing .....	-	6	5	h	D	D	D	D	D	D	D	4 409
3361	Motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>PARK FALLS</b>													
31-33	Manufacturing .....	-	13	5	980	33 517	837	1 601	25 812	121 934	101 256	224 460	3 141
<b>PESHTIGO</b>													
31-33	Manufacturing .....	-	16	5	529	19 069	394	763	12 180	36 919	60 852	97 039	4 532
<b>PEWAUKEE CITY</b>													
31-33	Manufacturing .....	-	57	25	2 348	93 173	1 667	3 270	56 928	213 212	178 088	391 506	14 477
323	Printing and related support activities .....	-	14	10	941	32 354	716	1 313	21 963	78 159	66 659	144 357	7 482
3231	Printing and related support activities .....	-	14	10	941	32 354	716	1 313	21 963	78 159	66 659	144 357	7 482
32311	Printing .....	-	8	5	676	22 204	532	990	15 812	57 349	61 244	117 530	6 394
332	Fabricated metal product manufacturing .....	-	15	4	695	34 656	435	892	17 746	72 024	51 440	124 000	3 241
3329	Other fabricated metal product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>PEWAUKEE VILLAGE</b>													
31-33	Manufacturing .....	-	33	11	1 335	52 966	874	1 704	27 618	128 831	192 188	319 243	2 785
<b>PLATTEVILLE</b>													
31-33	Manufacturing .....	-	16	8	548	12 388	435	660	7 490	32 419	35 644	68 937	1 371

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>PLEASANT PRAIRIE</b>													
31-33	Manufacturing .....	1	28	23	3 103	118 016	2 038	4 054	62 400	309 256	400 676	740 718	D
326	Plastics and rubber products manufacturing .....	3	5	5	603	22 383	464	1 006	13 684	61 105	49 347	110 995	D
3261	Plastics product manufacturing ..	3	5	5	603	22 383	464	1 006	13 684	61 105	49 347	110 995	D
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>PLOVER</b>													
31-33	Manufacturing .....	2	16	7	1 180	34 695	999	2 203	24 164	128 814	141 341	270 408	D
311	Food manufacturing .....	3	5	5	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	3	3	3	f	D	D	D	D	D	D	D	D
<b>PLYMOUTH</b>													
31-33	Manufacturing .....	-	26	14	2 057	78 939	1 541	2 845	45 622	294 753	603 055	899 628	11 075
311	Food manufacturing .....	-	5	5	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	4	4	1 458	61 445	1 058	1 944	33 826	249 057	565 991	817 165	8 295
31151	Dairy product (except frozen) manufacturing .....	-	4	4	1 458	61 445	1 058	1 944	33 826	249 057	565 991	817 165	8 295
311513	Cheese manufacturing .....	-	4	4	1 458	61 445	1 058	1 944	33 826	249 057	565 991	817 165	8 295
<b>PORTAGE</b>													
31-33	Manufacturing .....	-	27	13	2 145	73 671	1 724	3 413	51 684	300 709	354 101	647 615	13 611
326	Plastics and rubber products manufacturing .....	-	4	4	815	30 225	600	1 169	18 208	90 236	67 874	158 505	4 084
3262	Rubber product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>PORT WASHINGTON</b>													
31-33	Manufacturing .....	-	22	10	2 101	95 757	1 301	2 560	43 635	250 416	331 466	605 856	8 845
333	Machinery manufacturing .....	-	5	4	1 063	53 810	569	1 108	21 885	145 766	226 157	395 025	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>PRAIRIE DU CHIEN</b>													
31-33	Manufacturing .....	-	17	7	1 541	44 964	1 033	2 075	27 529	369 491	157 925	533 716	8 902
327	Nonmetallic mineral product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32791	Abrasive product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>PULASKI</b>													
31-33	Manufacturing .....	-	15	5	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3366	Ship and boat building .....	-	1	1	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	-	1	1	f	D	D	D	D	D	D	D	D
336612	Boat building .....	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>RACINE</b>													
31-33	Manufacturing .....	1	182	64	6 771	296 946	4 461	8 806	164 558	936 338	584 653	1 531 579	27 834
325	Chemical manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	63	21	1 506	54 613	1 127	2 058	37 219	103 847	51 046	155 807	3 920
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	32	7	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	4	27	6	f	D	D	D	D	D	D	D	1 736
332710	Machine shops .....	4	27	6	f	D	D	D	D	D	D	D	1 736
333	Machinery manufacturing .....	-	33	11	1 197	58 954	701	1 398	30 681	170 869	110 538	285 706	D
335	Electrical equipment, appliance, and component manufacturing .....	-	10	5	1 295	52 018	974	2 105	34 234	245 922	99 745	346 470	D
3352	Household appliance manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>REEDSBURG</b>													
31-33	Manufacturing .....	-	31	18	2 453	83 010	2 014	3 968	62 209	265 105	238 153	503 657	D
326	Plastics and rubber products manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>RHINELANDER</b>													
31-33	Manufacturing .....	1	26	7	1 143	48 875	887	1 762	33 795	135 789	154 267	294 007	6 167
322	Paper manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>RICE LAKE</b>													
31-33	Manufacturing .....	-	27	13	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	3	3	690	23 391	583	1 079	17 170	67 203	57 741	123 839	D
<b>RICHLAND CENTER</b>													
31-33	Manufacturing .....	-	16	7	1 229	41 464	919	1 594	24 721	97 512	200 510	296 286	3 775
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>RIPON</b>													
31-33	Manufacturing .....	-	16	9	h	D	D	D	D	D	D	D	D
311	Food manufacturing .....	2	5	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>RIVER FALLS</b>													
31-33	Manufacturing .....	-	19	9	787	24 798	553	878	14 559	55 675	39 582	94 854	1 663
<b>ROTHSCHILD</b>													
31-33	Manufacturing .....	-	10	6	1 100	45 682	843	1 801	36 162	148 824	177 562	321 167	D
<b>ST. FRANCIS</b>													
31-33	Manufacturing .....	-	25	10	1 297	45 958	834	1 695	25 755	129 477	89 731	218 933	4 395
339	Miscellaneous manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>SAUK CITY</b>													
31-33	Manufacturing .....	4	8	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	5	5	3	f	D	D	D	D	D	D	D	3 764
<b>SAUKVILLE</b>													
31-33	Manufacturing .....	-	26	13	1 451	37 984	976	2 116	22 353	204 689	234 381	413 911	19 030
331	Primary metal manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	-	1	1	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	-	1	1	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>SHAWANO</b>													
31-33	Manufacturing .....	3	23	11	881	25 746	737	1 601	18 300	59 712	84 723	146 686	2 732
<b>SHEBOYGAN</b>													
31-33	Manufacturing .....	-	92	52	9 150	357 273	6 602	13 343	210 346	966 978	911 046	1 882 079	48 984
322	Paper manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
3222	Converted paper product manufacturing .....	-	5	4	816	32 336	644	1 488	19 860	77 631	83 756	162 130	D
32229	Other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	9	9	1 102	43 861	815	1 716	30 041	120 668	82 722	203 625	2 536
3261	Plastics product manufacturing ..	-	9	9	1 102	43 861	815	1 716	30 041	120 668	82 722	203 625	2 536
32619	Other plastics product manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	6	6	1 545	64 961	1 337	2 825	50 905	192 321	209 487	399 389	15 328
3315	Foundries .....	-	5	5	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	4	4	g	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	16	7	g	D	D	D	D	D	D	D	4 433
3322	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	4	12	4	1 214	48 424	660	1 207	18 425	151 060	108 845	257 317	5 882
3339	Other general purpose machinery manufacturing .....	3	4	3	848	32 635	426	737	10 926	111 175	78 249	186 814	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>SHEBOYGAN—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>SHEBOYGAN FALLS</b>													
31-33	Manufacturing .....	—	31	13	3 138	110 336	2 434	4 739	75 817	170 337	224 439	418 974	D
321	Wood product manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	6	4	511	16 915	427	728	11 987	34 357	38 039	71 892	1 412
3261	Plastics product manufacturing ..	—	6	4	511	16 915	427	728	11 987	34 357	38 039	71 892	1 412
<b>SLINGER</b>													
31-33	Manufacturing .....	—	20	6	532	14 784	427	750	10 586	23 006	33 360	55 517	1 460
<b>SOUTH MILWAUKEE</b>													
31-33	Manufacturing .....	—	23	6	1 756	78 372	1 093	2 163	50 780	254 847	146 428	397 808	6 925
333	Machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
<b>SPARTA</b>													
31-33	Manufacturing .....	—	23	9	1 423	43 024	960	1 863	23 885	102 185	166 837	267 291	4 542
332	Fabricated metal product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	—	1	1	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	1	1	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	1	1	f	D	D	D	D	D	D	D	D
<b>STEVENS POINT</b>													
31-33	Manufacturing .....	—	36	15	1 820	68 041	1 395	2 377	41 760	231 535	211 182	440 123	D
323	Printing and related support activities .....	—	5	3	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	5	3	f	D	D	D	D	D	D	D	D
32311	Printing .....	—	5	3	f	D	D	D	D	D	D	D	D
<b>STOUGHTON</b>													
31-33	Manufacturing .....	1	18	6	1 136	37 581	889	1 875	28 056	68 319	128 265	197 256	1 560
336	Transportation equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.



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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>STURGEON BAY</b>													
31-33	Manufacturing .....	2	34	14	2 038	66 656	1 634	3 231	49 461	149 911	114 891	268 329	3 346
333	Machinery manufacturing .....	—	6	3	531	19 910	344	794	10 289	54 070	44 654	102 416	D
336	Transportation equipment manufacturing .....	4	5	4	733	27 904	639	1 253	23 613	43 490	36 787	80 277	D
3366	Ship and boat building .....	3	4	3	f	D	D	D	D	D	D	D	D
33661	Ship and boat building .....	3	4	3	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	3	4	3	f	D	D	D	D	D	D	D	D
<b>STURTEVANT</b>													
31-33	Manufacturing .....	—	20	13	2 071	77 101	1 501	3 105	42 890	206 617	236 420	439 575	48 783
333	Machinery manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
<b>SUN PRAIRIE</b>													
31-33	Manufacturing .....	—	32	10	1 004	39 312	734	1 439	24 566	112 991	94 929	206 787	3 137
<b>SUPERIOR</b>													
31-33	Manufacturing .....	1	46	14	1 005	35 577	648	1 212	21 990	108 748	367 778	466 862	D
<b>SUSSEX</b>													
31-33	Manufacturing .....	—	46	23	4 241	164 337	3 409	6 298	119 983	394 537	320 551	712 431	17 022
323	Printing and related support activities .....	—	7	4	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	7	4	g	D	D	D	D	D	D	D	D
32311	Printing .....	—	6	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	4	3	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	2	4	4	624	22 757	495	956	16 486	50 186	30 825	78 718	2 635
3261	Plastics product manufacturing ..	2	4	4	624	22 757	495	956	16 486	50 186	30 825	78 718	2 635
333	Machinery manufacturing .....	—	4	2	631	28 751	499	621	22 384	24 774	31 765	57 421	D
3332	Industrial machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
<b>TOMAH</b>													
31-33	Manufacturing .....	—	16	8	1 612	80 283	1 375	2 446	62 024	131 827	243 221	373 089	9 805
333	Machinery manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
<b>TOMAHAWK</b>													
31-33	Manufacturing .....	—	11	5	f	D	D	D	D	D	D	D	D
<b>TWO RIVERS</b>													
31-33	Manufacturing .....	1	29	15	2 040	73 100	1 497	3 003	45 572	148 642	123 733	270 737	D
339	Miscellaneous manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>VERONA</b>													
31-33	Manufacturing .....	1	20	7	673	21 336	503	732	13 506	38 940	23 373	62 261	1 620
<b>WATERFORD</b>													
31-33	Manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	3 285

See footnotes at end of table.

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WATERLOO</b>													
31-33	Manufacturing .....	-	9	7	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	1	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	1	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	1	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>WATERTOWN</b>													
31-33	Manufacturing .....	1	47	22	2 857	100 527	2 145	4 031	61 284	239 363	411 027	647 575	D
332	Fabricated metal product manufacturing .....	-	9	3	506	14 250	439	672	10 791	34 471	17 997	50 635	D
333	Machinery manufacturing .....	3	7	6	f	D	D	D	D	D	D	D	D
<b>WAUKESHA</b>													
31-33	Manufacturing .....	1	170	68	8 954	420 136	5 805	11 593	245 572	1 080 489	1 192 925	2 264 141	70 658
311	Food manufacturing .....	4	9	5	706	24 386	572	1 152	18 000	118 837	216 738	333 667	5 595
3119	Other food manufacturing .....	6	5	4	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	7	5	1 163	53 661	816	1 630	30 052	116 397	66 695	182 640	D
3315	Foundries .....	-	7	5	1 163	53 661	816	1 630	30 052	116 397	66 695	182 640	D
33151	Ferrous metal foundries .....	-	4	4	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	1	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	43	12	940	37 267	625	1 195	20 945	79 611	49 992	130 204	8 217
333	Machinery manufacturing .....	2	22	9	1 850	86 907	903	1 963	39 197	200 918	163 169	380 963	10 864
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	11	9	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	7	6	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	7	6	f	D	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	10	4	1 491	81 581	966	2 033	47 923	189 706	148 932	339 244	5 005
3353	Electrical equipment manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	6	4	g	D	D	D	D	D	D	D	D
335311	Power, distribution, and specialty transformer manufacturing .....	-	4	4	1 477	81 093	957	2 019	47 730	188 756	148 162	337 524	4 977
<b>WAUNAKEE</b>													
31-33	Manufacturing .....	-	19	11	1 408	53 152	948	1 880	28 864	135 202	132 168	252 998	18 877
<b>WAUPACA</b>													
31-33	Manufacturing .....	-	21	4	1 936	76 932	1 678	3 681	62 381	266 774	276 133	541 362	21 470
331	Primary metal manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	g	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	g	D	D	D	D	D	D	D	D

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		E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>WAUSAU</b>													
31-33	Manufacturing .....	2	75	34	7 065	233 259	5 521	10 366	163 315	625 315	686 446	1 310 157	29 442
321	Wood product manufacturing .....	8	7	5	2 151	60 398	1 673	3 031	38 879	108 941	113 104	222 205	4 466
3219	Other wood product manufacturing .....	8	7	5	2 151	60 398	1 673	3 031	38 879	108 941	113 104	222 205	4 466
32191	Millwork .....	8	4	3	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	9	2	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	-	4	4	725	33 059	598	1 316	25 015	96 010	115 187	203 918	D
332	Fabricated metal product manufacturing .....	-	13	8	2 153	75 364	1 622	2 881	50 428	203 851	150 398	355 745	12 626
3322	Cutlery and handtool manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
<b>WAUWATOSA</b>													
31-33	Manufacturing .....	-	54	16	5 013	247 718	3 752	5 970	161 863	267 922	487 400	936 389	D
333	Machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	17	3	518	16 374	167	347	6 041	36 899	7 472	44 608	740
<b>WEST ALLIS</b>													
31-33	Manufacturing .....	2	114	33	3 981	158 374	2 742	5 291	93 100	376 098	195 151	570 319	22 025
311	Food manufacturing .....	5	10	4	673	27 718	291	504	10 182	87 229	21 368	108 731	2 189
323	Printing and related support activities .....	-	'23	'6	'1 270	'42 314	'1 074	'1 930	'33 731	'97 570	'54 275	'151 442	'8 812
3231	Printing and related support activities .....	-	'23	'6	'1 270	'42 314	'1 074	'1 930	'33 731	'97 570	'54 275	'151 442	'8 812
32311	Printing .....	-	'21	'6	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	11	4	1 098	37 518	960	1 739	30 836	89 456	49 942	138 957	8 443
331	Primary metal manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	3	3	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	3	3	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	29	5	563	21 440	417	798	14 260	47 600	27 817	75 584	1 740

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>WEST BEND</b>													
31-33	Manufacturing .....	2	67	20	3 503	121 122	2 542	4 435	72 002	256 405	245 346	492 062	13 406
323	Printing and related support activities .....	7	15	5	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	7	15	5	g	D	D	D	D	D	D	D	D
32311	Printing .....	7	15	5	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	9	6	3	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	18	8	1 125	45 120	771	1 423	24 840	100 115	128 163	220 806	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>WEST MILWAUKEE</b>													
31-33	Manufacturing .....	-	35	19	2 197	102 838	1 305	2 348	56 393	263 851	280 090	546 343	9 502
333	Machinery manufacturing .....	-	10	7	1 295	68 655	691	1 072	36 497	183 842	158 639	346 850	4 094
3331	Agriculture, construction, and mining machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>WESTON</b>													
31-33	Manufacturing .....	4	23	14	f	D	D	D	D	D	D	D	D
<b>WEST SALEM</b>													
31-33	Manufacturing .....	1	12	6	f	D	D	D	D	D	D	D	D
<b>WHITEWATER</b>													
31-33	Manufacturing .....	-	21	8	g	D	D	D	D	D	D	D	D
<b>WISCONSIN RAPIDS</b>													
31-33	Manufacturing .....	-	34	13	2 450	109 086	2 049	3 600	84 443	375 341	439 323	823 829	27 999
322	Paper manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	2	2	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF ASHLAND COUNTY</b>													
31-33	Manufacturing .....	1	12	6	508	12 325	461	935	10 184	28 537	29 453	58 261	4 237
<b>BALANCE OF BARRON COUNTY</b>													
31-33	Manufacturing .....	2	61	15	2 135	61 246	1 713	3 092	43 330	218 069	231 530	448 233	11 646
<b>BALANCE OF BROWN COUNTY</b>													
31-33	Manufacturing .....	-	68	25	2 173	81 500	1 646	3 046	56 444	252 149	362 498	590 246	15 942
311	Food manufacturing .....	-	12	5	541	20 421	428	820	15 092	100 760	229 094	306 481	9 220
3115	Dairy product manufacturing .....	-	8	4	505	19 358	403	768	14 437	98 047	219 054	293 728	8 995
31151	Dairy product (except frozen) manufacturing .....	-	8	4	505	19 358	403	768	14 437	98 047	219 054	293 728	8 995
311513	Cheese manufacturing .....	-	8	4	505	19 358	403	768	14 437	98 047	219 054	293 728	8 995
323	Printing and related support activities .....	-	4	3	561	21 982	479	778	18 377	72 863	66 432	138 541	4 294
3231	Printing and related support activities .....	-	4	3	561	21 982	479	778	18 377	72 863	66 432	138 541	4 294
32311	Printing .....	-	4	3	561	21 982	479	778	18 377	72 863	66 432	138 541	4 294

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF BURNETT COUNTY</b>													
31-33	Manufacturing .....	1	29	8	838	26 735	693	1 388	19 998	97 697	76 694	173 027	13 815
<b>BALANCE OF CALUMET COUNTY</b>													
31-33	Manufacturing .....	—	23	9	2 107	85 901	1 678	3 196	64 860	220 691	258 332	468 691	11 086
336	Transportation equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF CHIPPEWA COUNTY</b>													
31-33	Manufacturing .....	2	54	9	768	24 716	564	1 106	15 375	78 133	175 297	254 771	3 166
<b>BALANCE OF CLARK COUNTY</b>													
31-33	Manufacturing .....	—	83	32	2 894	91 012	2 354	4 831	67 060	281 525	690 116	945 002	20 012
311	Food manufacturing .....	—	22	11	906	29 401	698	1 507	20 876	146 905	541 344	662 268	13 500
3115	Dairy product manufacturing .....	—	13	9	630	21 582	503	1 076	15 973	124 155	497 395	595 386	12 195
31151	Dairy product (except frozen) manufacturing .....	—	13	9	630	21 582	503	1 076	15 973	124 155	497 395	595 386	12 195
<b>BALANCE OF COLUMBIA COUNTY</b>													
31-33	Manufacturing .....	1	45	18	2 207	68 587	1 710	3 421	47 643	216 503	228 901	443 637	16 271
<b>BALANCE OF DANE COUNTY</b>													
31-33	Manufacturing .....	1	111	27	2 397	80 010	1 722	3 166	48 657	224 893	202 150	429 613	10 877
<b>BALANCE OF DODGE COUNTY</b>													
31-33	Manufacturing .....	1	96	31	4 365	144 327	3 636	7 069	112 665	511 993	552 322	1 058 950	21 177
311	Food manufacturing .....	1	18	7	794	24 736	654	1 325	19 565	112 928	217 344	326 360	3 371
323	Printing and related support activities .....	—	3	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	3	1	g	D	D	D	D	D	D	D	D
32311	Printing .....	—	3	1	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	—	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	23	7	f	D	D	D	D	D	D	D	2 799
333	Machinery manufacturing .....	1	15	7	f	D	D	D	D	D	D	D	D
<b>BALANCE OF DUNN COUNTY</b>													
31-33	Manufacturing .....	1	23	4	f	D	D	D	D	D	D	D	3 028
<b>BALANCE OF EAU CLAIRE COUNTY</b>													
31-33	Manufacturing .....	6	20	6	942	28 427	733	1 413	19 920	140 051	192 229	338 822	D
321	Wood product manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
32191	Millwork .....	9	1	1	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF FOND DU LAC COUNTY</b>													
31-33	Manufacturing .....	-	58	16	2 288	78 344	1 722	3 364	52 697	236 692	425 111	663 636	11 097
311	Food manufacturing .....	-	9	6	940	29 021	746	1 477	20 850	97 954	329 711	432 308	5 968
3115	Dairy product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF GRANT COUNTY</b>													
31-33	Manufacturing .....	1	34	10	1 126	33 763	953	1 851	26 068	80 876	146 501	228 394	D
<b>BALANCE OF GREEN COUNTY</b>													
31-33	Manufacturing .....	1	41	9	923	27 316	805	1 610	21 658	65 149	118 472	184 519	D
<b>BALANCE OF GREEN LAKE COUNTY</b>													
31-33	Manufacturing .....	1	30	11	903	25 791	765	1 600	20 961	100 840	46 400	147 310	4 036
<b>BALANCE OF JEFFERSON COUNTY</b>													
31-33	Manufacturing .....	3	51	19	1 558	55 128	1 149	2 284	33 151	166 017	138 407	303 593	16 386
<b>BALANCE OF JUNEAU COUNTY</b>													
31-33	Manufacturing .....	-	34	18	1 625	52 513	1 225	2 268	35 731	117 416	135 100	253 301	3 359
332	Fabricated metal product manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
<b>BALANCE OF KENOSHA COUNTY</b>													
31-33	Manufacturing .....	1	44	18	1 260	40 606	931	1 905	25 129	105 791	200 518	303 649	D
<b>BALANCE OF LA CROSSE COUNTY</b>													
31-33	Manufacturing .....	-	30	9	1 249	29 420	1 073	1 678	21 209	58 877	55 795	108 332	7 226
321	Wood product manufacturing .....	-	6	3	591	11 078	512	622	7 601	19 396	27 065	41 784	872
<b>BALANCE OF LANGLADE COUNTY</b>													
31-33	Manufacturing .....	2	17	4	513	13 464	433	844	10 126	35 569	45 902	83 037	1 388
<b>BALANCE OF LINCOLN COUNTY</b>													
31-33	Manufacturing .....	-	17	5	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MANITOWOC COUNTY</b>													
31-33	Manufacturing .....	1	62	19	g	D	D	D	D	D	D	D	11 142

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF MARATHON COUNTY</b>													
31-33	Manufacturing .....	-	114	34	5 931	229 003	4 464	8 724	152 389	534 068	861 556	1 402 162	34 151
311	Food manufacturing .....	-	16	5	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	1	21	4	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	11	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	30	9	2 039	82 950	1 356	2 622	48 221	160 739	135 074	299 471	13 999
3323	Architectural and structural metals manufacturing .....	-	7	4	g	D	D	D	D	D	D	D	12 023
33232	Ornamental and architectural metal products manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF MARINETTE COUNTY</b>													
31-33	Manufacturing .....	-	48	12	1 478	53 777	1 182	2 090	37 832	110 771	155 003	270 447	10 013
<b>BALANCE OF MARQUETTE COUNTY</b>													
31-33	Manufacturing .....	-	25	9	1 165	35 775	895	1 711	24 643	102 713	114 194	216 181	10 837
311	Food manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF OCONTO COUNTY</b>													
31-33	Manufacturing .....	1	43	15	1 282	40 292	1 027	1 918	26 308	91 109	154 029	243 171	3 914
<b>BALANCE OF OUTAGAMIE COUNTY</b>													
31-33	Manufacturing .....	-	85	33	2 970	115 646	2 310	4 487	78 681	313 711	513 850	803 643	34 479
311	Food manufacturing .....	-	8	7	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	8	4	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	18	7	581	17 736	486	758	13 122	32 429	16 910	50 359	2 330
<b>BALANCE OF OZAUKEE COUNTY</b>													
31-33	Manufacturing .....	5	45	9	f	D	D	D	D	D	D	D	D
<b>BALANCE OF PIERCE COUNTY</b>													
31-33	Manufacturing .....	2	24	5	527	18 492	410	788	12 887	49 904	65 595	117 473	3 533

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF POLK COUNTY</b>													
31-33	Manufacturing .....	-	89	34	3 206	105 405	2 356	4 340	63 122	221 674	384 814	607 632	15 507
332	Fabricated metal product manufacturing .....	1	21	6	514	16 930	381	718	10 912	34 422	20 836	56 251	1 126
336	Transportation equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF PORTAGE COUNTY</b>													
31-33	Manufacturing .....	-	29	8	1 778	71 658	1 542	3 174	58 237	182 517	256 187	435 219	17 970
311	Food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	2	2	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF PRICE COUNTY</b>													
31-33	Manufacturing .....	2	34	10	1 364	45 595	1 068	2 053	27 778	168 649	184 560	353 396	6 397
<b>BALANCE OF RACINE COUNTY</b>													
31-33	Manufacturing .....	6	29	6	684	19 225	529	1 001	12 655	44 886	33 004	77 972	1 793
<b>BALANCE OF ROCK COUNTY</b>													
31-33	Manufacturing .....	3	51	11	900	31 228	701	1 289	22 575	102 077	130 018	230 340	5 417
<b>BALANCE OF RUSK COUNTY</b>													
31-33	Manufacturing .....	-	14	3	f	D	D	D	D	D	D	D	729
321	Wood product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32191	Millwork .....	-	2	2	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF ST. CROIX COUNTY</b>													
31-33	Manufacturing .....	2	77	16	1 670	57 008	1 174	2 331	33 252	132 912	150 566	284 151	7 613
<b>BALANCE OF SAUK COUNTY</b>													
31-33	Manufacturing .....	-	40	9	1 294	36 198	1 083	1 989	27 158	137 253	134 616	268 967	7 526
327	Nonmetallic mineral product manufacturing .....	-	6	3	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF SAWYER COUNTY</b>													
31-33	Manufacturing .....	1	47	7	541	16 694	415	782	11 265	39 980	56 735	98 134	1 515
<b>BALANCE OF SHAWANO COUNTY</b>													
31-33	Manufacturing .....	1	51	11	1 140	37 099	862	1 734	24 855	103 124	129 581	233 754	5 028

See footnotes at end of table.



**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF SHEBOYGAN COUNTY</b>													
31-33	Manufacturing .....	2	83	31	5 434	205 585	4 213	8 761	142 679	761 436	481 077	1 268 704	28 731
311	Food manufacturing .....	-	14	6	1 052	43 331	706	1 329	22 954	235 325	144 077	379 041	4 130
3116	Animal slaughtering and processing .....	-	4	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	4	2	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	9	4	653	21 824	519	1 134	15 024	41 142	31 584	72 605	4 465
3231	Printing and related support activities .....	-	9	4	653	21 824	519	1 134	15 024	41 142	31 584	72 605	4 465
32311	Printing .....	-	8	4	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	3	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	17	4	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	9	8	3	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF TREMPLEAU COUNTY</b>													
31-33	Manufacturing .....	4	58	23	4 332	138 926	3 322	7 197	81 905	400 227	506 670	906 904	14 487
311	Food manufacturing .....	-	13	6	694	18 625	587	1 158	14 321	146 580	196 094	342 218	1 996
337	Furniture and related product manufacturing .....	9	5	3	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	9	4	2	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	9	3	2	g	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing .....	9	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF WALWORTH COUNTY</b>													
31-33	Manufacturing .....	-	83	25	3 017	110 552	2 257	4 483	59 903	334 072	253 148	586 992	D
336	Transportation equipment manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF WASHBURN COUNTY</b>													
31-33	Manufacturing .....	-	27	6	1 018	34 791	825	1 610	23 176	117 884	187 833	311 490	D

See footnotes at end of table.

**Table 4. Industry Statistics for Places: 2002—Con.**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E1	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>BALANCE OF WASHINGTON COUNTY</b>													
31-33	Manufacturing .....	-	66	19	1 463	51 236	1 067	2 094	33 169	101 835	115 348	216 814	9 374
332	Fabricated metal product manufacturing .....	-	19	7	674	21 933	522	957	14 860	42 488	28 064	70 066	3 351
<b>BALANCE OF WAUKESHA COUNTY</b>													
31-33	Manufacturing .....	1	176	51	5 124	198 289	3 505	6 768	114 175	499 396	513 526	1 011 955	23 291
311	Food manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	51	10	605	22 911	459	914	14 733	41 562	26 049	67 550	2 246
333	Machinery manufacturing .....	4	34	12	978	39 154	644	1 145	19 933	117 723	69 437	189 215	4 275
335	Electrical equipment, appliance, and component manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF WAUPACA COUNTY</b>													
31-33	Manufacturing .....	-	54	17	2 133	60 479	1 813	3 197	41 071	83 356	357 463	446 120	10 112
311	Food manufacturing .....	-	12	5	f	D	D	D	D	D	D	D	2 857
<b>BALANCE OF WAUSHARA COUNTY</b>													
31-33	Manufacturing .....	2	34	6	658	18 794	570	1 207	14 937	41 921	38 903	80 358	2 536
<b>BALANCE OF WINNEBAGO COUNTY</b>													
31-33	Manufacturing .....	-	42	16	2 445	98 397	1 478	2 775	51 013	324 355	296 527	621 271	15 904
322	Paper manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	3	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	3	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	3	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF WOOD COUNTY</b>													
31-33	Manufacturing .....	-	45	14	g	D	D	D	D	D	D	D	21 198
322	Paper manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills .....	-	2	2	g	D	D	D	D	D	D	D	D
32212	Paper mills .....	-	2	2	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	-	2	2	g	D	D	D	D	D	D	D	D

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f-500 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 5. Detailed Statistics for the State: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>WISCONSIN</b>	
Companies <sup>1</sup> .....	N
All establishments <sup>2</sup> .....	'9 915
Establishments with 1 to 19 employees .....	'6 201
Establishments with 20 to 99 employees .....	'2 522
Establishments with 100 employees or more .....	1 192
All employees <sup>3</sup> .....	'503 588
Total compensation .....	\$1,000.. '24 657 968
Annual payroll .....	\$1,000.. '19 334 385
Total fringe benefits .....	\$1,000.. '5 323 583
Production workers, average for year .....	'365 113
Production workers on March 12 .....	'363 196
Production workers on May 12 .....	'365 206
Production workers on August 12 .....	'369 337
Production workers on November 12 .....	'361 854
Production worker hours .....	'710 349
Production worker wages .....	\$1,000.. '12 054 077
Total cost of materials .....	\$1,000.. '62 979 614
Materials, parts, containers, packaging, etc., used .....	\$1,000.. '55 140 977
Resales .....	\$1,000.. '4 807 509
Purchased fuels .....	\$1,000.. '786 139
Purchased electricity .....	\$1,000.. '1 128 470
Contract work .....	\$1,000.. '1 116 519
Quantity of electricity purchased for heat and power .....	1,000 kWh.. '26 266 581
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. D
Total value of shipments .....	\$1,000.. '124 664 004
Value of resales .....	\$1,000.. '7 002 995
Value added .....	\$1,000.. '61 501 462
Total inventories, beginning of year .....	\$1,000.. '12 094 555
Finished goods inventories .....	\$1,000.. '5 192 951
Work-in-process inventories .....	\$1,000.. '2 572 077
Materials and supplies inventories .....	\$1,000.. '4 329 527
Total inventories, end of year .....	\$1,000.. '11 996 507
Finished goods inventories .....	\$1,000.. '5 146 572
Work-in-process inventories .....	\$1,000.. '2 449 171
Materials and supplies inventories .....	\$1,000.. '4 400 764
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '50 970 405
Total capital expenditures (new and used) .....	\$1,000.. '3 279 381
Buildings and other structures (new and used) .....	\$1,000.. '458 729
Machinery and equipment (new and used) .....	\$1,000.. '2 820 652
Automobiles, trucks, etc., for highway use .....	\$1,000.. '108 618
Computers and peripheral data processing equipment .....	\$1,000.. '232 489
All other expenditures for machinery and equipment .....	\$1,000.. '2 479 545
Total retirements .....	\$1,000.. '1 889 924
Gross value of depreciable assets at end of year .....	\$1,000.. '52 359 862
Depreciation charges during year .....	\$1,000.. '3 545 802
Total rental payments .....	\$1,000.. '1 072 078
Buildings and other structures .....	\$1,000.. '600 558
Machinery and equipment .....	\$1,000.. '471 520

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

# Appendix A.

## Explanation of Terms

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### **COMPANY**

A company or “enterprise” is comprised of all the establishments that operate under the ownership or control of a single organization. A company may be a business, service, or membership organization; consist of one or several establishments; and operate at one or several locations. It includes all subsidiary organizations, all establishments that are majority-owned by the company or any subsidiary, and all the establishments that can be directed or managed by the company or any subsidiary.

A company may have one or many establishments. Examples include product and service sales offices (retail and wholesale), industrial production plants, processing or assembly operations, mines or well sites, and support operations (such as an administrative office, warehouse, customer service center, or regional headquarters). Each establishment should receive, complete, and return a separate census form.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

### **Establishment**

An establishment is a single physical location where business is conducted or where services or industrial operations are performed. Data in this sector includes those establishments where manufacturing is performed. A separate report was required for each manufacturing establishment (plant) with one employee or more that was in operation at any time during the year.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the “Operational Status” section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

### **PAYROLL**

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees’ social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers’ social security contributions or other nonpayroll labor costs, such as employees’ pension plans, group insurance premiums, and workers’ compensation.

The ASM provides estimates of employers’ total supplemental labor costs (those required by federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

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## **TOTAL FRINGE BENEFITS**

This item is the employer's costs for social security tax, unemployment tax, workmen's compensation insurance, state disability insurance pension plans, stock purchase plans, union-negotiated benefits, life insurance premiums, and insurance premiums on hospital and medical plans for employees.

Fringe benefits are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation, whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

## **NUMBER OF EMPLOYEES**

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period that included the 12th of the months specified on the report form. Included are employees on paid sick leave, paid holidays, and paid vacations; not included are proprietors and partners of unincorporated businesses.

These individuals consist of all full-time and part-time employees who are on the payrolls of establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November.

The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November

### **Production Workers**

The "production workers" number includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

### **All Other Employees**

The "other employees" covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

## **PRODUCTION-WORKER HOURS**

This item covers all hours worked or paid for at the manufacturing plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the establishment.

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## **COST OF MATERIALS**

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are:

1. Cost of parts, components, containers, etc. Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.
3. Cost of fuels consumed for heat and power. Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. Cost of purchased electricity. The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work. This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term "Contract Work" refers to the fee a company pays to another company to perform a service.

### **Specific materials consumed**

In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials that were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. If less than \$25,000 of a listed material was consumed by an establishment, the cost data could be reported in the "Cost of all other materials" Census material code 00970099.

Also, the cost of materials for small establishments for which administrative records or short forms were used was imputed into the "Materials not specified by kind" Census materials code 00971000.

### **QUANTITY OF ELECTRICITY PURCHASED FOR HEAT AND POWER**

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the Annual Survey of Manufactures (ASM) form. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

### **TOTAL VALUE OF SHIPMENTS**

Includes the received or receivable net selling values, "Free on Board" (FOB) plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all

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items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of "all other costs" (including company overhead) and profit.

In addition to the value for NAICS defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment's value of product shipments:

1. reported contract work — receipts for work or services that a plant performed for others on their materials;
2. value of resales — sales of products bought and sold without further manufacture, processing, or assembly; and
3. other miscellaneous receipts — includes repair work, installation, sales of scrap, etc.

Industry primary product value of shipments represents one of three components of value of shipments. These components are:

1. primary product value of shipments;
2. secondary product value of shipments; and
3. total miscellaneous receipts.

Primary product shipments is used in the calculations of industry specialization ratio and industry coverage ratio.

### **Duplication in cost of materials and value of shipment**

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication, since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to the paper manufacturing group of industries.

Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries that included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

### **Specialization and coverage ratio**

An establishment is classified in a particular industry, if its shipments of primary products of that industry exceed in value its shipments of the products of any other single industry.

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An establishment's shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.).

Specialization and coverage ratio have been developed to measure the relationship of primary product shipments to the data on shipments for a particular industry.

Specialization ratio represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments wherever classified.

### **VALUE ADDED**

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

"Value added" avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

### **TOTAL END-OF-YEAR INVENTORIES**

This item is comprised of:

- a. Finished products
- b. Work-in-process
- c. Materials, supplies, fuels, etc.

Beginning in 1982, respondents were asked to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Therefore, 1982 through 2002 data for inventories are not strictly comparable to prior-year data.

In addition, total beginning-of-year inventories is the sum of several different types of inventory valuations.

Inventory valuations include:

1. Subject to Last-in, first-out (LIFO) costing (including LIFO reserve and value)
2. Not subject to LIFO costing
3. Valuation method not reported, and
4. Amount subject to LIFO reported without associated reserve and value.



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## **GROSS VALUE OF DEPRECIABLE/DEPLETABLE ASSETS AT BEGINNING OF YEAR**

Gross value of depreciable/depletable assets includes all fixed depreciable/depletable assets contained in accounting records of establishments. The values shown (gross book value) represent the actual cost of assets at the time they were acquired. Included are all costs incurred in making the assets usable (such as transportation and installation)

Gross value of depreciable/depletable assets includes:

1. Buildings and other structures (new and used).
2. Machinery and equipment (new and used), including automobiles, trucks, etc. for highway use and computers and peripheral data processing equipment.
3. Retirements.

Excluded are nondepreciable capital assets including inventories and intangible assets.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

## **CAPITAL EXPENDITURES FOR NEW AND USED PLANT AND EQUIPMENT**

Represents the total new and used capital expenditures reported by establishments in operation and any known plants under construction.

These data include expenditures for:

1. Permanent additions and major alterations to manufacturing and mining establishments.
2. New and used machinery and equipment used for replacement and additions to plant capacity, if they are of the type for which depreciation, depletion, or (for mining establishments) Office of Minerals Exploration accounts are ordinarily maintained. In addition, for mining establishments, these data include expenditures made during the year for development and exploration of mineral properties. For manufacturing establishments, these data are broken down into three types.
  - a. Automobiles, trucks, etc. for highway use. These include vehicles acquired under a lease-purchase agreement and excludes vehicles leased or normally designed to transport materials, property, or equipment on mining, construction, petroleum development, and similar projects. These vehicles are of such size or weight as to be normally restricted by state laws or regulations from operating on public highways. It also excludes purchases of vehicles that are purchased by a company for highway use.
  - b. Computers and peripheral data processing equipment. This item includes all purchases of computers and related equipment.
  - c. All other expenditures for machinery and equipment excluding automobiles and computer equipment.

Capital expenditures include work done by contract, as well as by the establishment's own workforce.

These data exclude expenditures for land and mineral rights and cost of maintenance and repairs charged as current operating expenses.

## **RETIREMENTS OF DEPRECIABLE ASSETS**

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

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## **RENTAL PAYMENTS**

Total rental payments are collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments.

However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

## **DEPRECIATION CHARGES FOR FIXED ASSETS**

This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

# Appendix B.

## NAICS Codes, Titles, and Descriptions

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### **SECTOR 31-33 MANUFACTURING**

The Manufacturing sector comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Sector 23, Construction.

Establishments in the Manufacturing sector are often described as plants, factories, or mills and characteristically use power-driven machines and materials-handling equipment. However, establishments that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public products made on the same premises from which they are sold, such as bakeries, candy stores, and custom tailors, may also be included in this sector. Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing.

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership. The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the Manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

Manufacturing establishments often perform one or more activities that are classified outside the Manufacturing sector of NAICS. For instance, almost all manufacturing has some captive research and development or administrative operations, such as accounting, payroll, or management. These captive services are treated the same as captive manufacturing activities. When the services are provided by separate establishments, they are classified to the NAICS sector where such services are primary, not in manufacturing.

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are considered manufacturing in NAICS: Milk bottling and pasteurizing; Water bottling and processing;

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Fresh fish packaging (oyster shucking, fish filleting); Apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others; Printing and related activities; Ready-mixed concrete production; Leather converting; Grinding of lenses to prescription; Wood preserving; Electroplating, plating, metal heat treating, and polishing for the trade; Lapidary work for the trade; Fabricating signs and advertising displays; Rebuilding or remanufacturing machinery (i.e., automotive parts) Ship repair and renovation; Machine shops; and Tire retreading. Conversely, there are activities that are sometimes considered manufacturing, but which for NAICS are classified in another sector (i.e., not classified as manufacturing).

They include: (1) Logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting is considered a harvesting operation; (2) The beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining; (3) The construction of structures and fabricating operations performed at the site of construction by contractors, is classified in Sector 23, Construction; (4) Establishments engaged in breaking of bulk and redistribution in smaller lots, including packaging, repackaging, or bottling products, such as liquors or chemicals; the customized assembly of computers; sorting of scrap; mixing paints to customer order; and cutting metals to customer order, classified in Sector 42, Wholesale Trade or Sector 44-45, Retail Trade, produce a modified version of the same product, not a new product; and (5) Publishing and the combined activity of publishing and printing, classified in Sector 51, Information, perform the transformation of information into a product where as the value of the product to the consumer lies in the information content, not in the format in which it is distributed (i.e., the book or software diskette).

### **311 FOOD MANUFACTURING**

Industries in the Food Manufacturing subsector transform livestock and agricultural products into products for intermediate or final consumption. The industry groups are distinguished by the raw materials (generally of animal or vegetable origin) processed into food products.

The food products manufactured in these establishments are typically sold to wholesalers or retailers for distribution to consumers, but establishments primarily engaged in retailing bakery and candy products made on the premises not for immediate consumption are included.

Establishments primarily engaged in manufacturing beverages are classified in Subsector 312, Beverage and Tobacco Product Manufacturing.

#### **3111 ANIMAL FOOD MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing food and feed for animals from ingredients, such as grains, oilseed mill products, and meat products.

##### **31111 ANIMAL FOOD MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing food and feed for animals from ingredients, such as grains, oilseed mill products, and meat products.

##### **311111 DOG AND CAT FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing dog and cat food from ingredients, such as grains, oilseed mill products, and meat products.

##### **311119 OTHER ANIMAL FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing animal food (except dog and cat) from ingredients, such as grains, oilseed mill products, and meat products.

#### **3112 GRAIN AND OILSEED MILLING**

This industry group comprises establishments primarily engaged in one or more of the following:

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1. Milling flour or meal from grains or vegetables;
  2. Preparing flour mixes or doughs from flour milled in the same establishment;
  3. Milling, cleaning, and polishing rice; and
  4. Manufacturing malt from barley, rye, or other grains.

### **31121 FLOUR MILLING AND MALT MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Milling flour or meal from grains or vegetables
2. Preparing flour mixes or doughs from flour milled in the same establishment
3. Milling, cleaning, and polishing rice; and
4. Manufacturing malt from barley, rye, or other grains.

### **311211 FLOUR MILLING**

This U.S. industry comprises establishments primarily engaged in the following:

1. Milling flour or meal from grains (except rice) or vegetables and/or
2. Milling flour and preparing flour mixes or doughs.

### **311212 RICE MILLING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. milling rice;
2. cleaning and polishing rice; or
3. milling, cleaning, and polishing rice.

The establishments in this industry may package the rice they mill with other ingredients.

### **311213 MALT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing malt from barley, rye, or other grains.

### **31122 STARCH AND VEGETABLE FATS AND OILS MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Wet milling corn and vegetables;
2. Crushing oilseeds and tree nuts;
3. Refining and/or blending vegetable oils;
4. Manufacturing shortening and margarine; and
5. Blending purchased animal fats with vegetable fats.

### **311221 WET CORN MILLING**

This U.S. industry comprises establishments primarily engaged in wet milling corn and other vegetables (except to make ethyl alcohol). Examples of products made in these establishments are corn sweeteners, such as glucose, dextrose, and fructose; corn oil; and starches (except laundry).

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### **311222 SOYBEAN PROCESSING**

This U.S. industry comprises establishments engaged in crushing soybeans. Examples of products produced in these establishments are soybean oil, soybean cake and meal, and soybean protein isolates and concentrates.

### **311223 OTHER OILSEED PROCESSING**

This U.S. industry comprises establishments engaged in crushing oilseeds (except soybeans) and tree nuts, such as cottonseeds, linseeds, peanuts, and sunflower seeds.

### **311225 FATS AND OILS REFINING AND BLENDING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Manufacturing shortening and margarine from purchased fats and oils;
2. Refining and/or blending vegetable, oilseed, and tree nut oils from purchased oils; and
3. Blending purchased animal fats with purchased vegetable fats.

### **31123 BREAKFAST CEREAL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

### **311230 BREAKFAST CEREAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

### **3113 SUGAR AND CONFECTIONERY PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in one of the following:

1. Process agricultural inputs, such as sugarcane, beet, and cacao, to give rise to a new product (sugar or chocolate), and
2. Those that begin with sugar and chocolate and process these further.

### **31131 SUGAR MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing raw sugar, liquid sugar, and refined sugar from sugarcane, raw cane sugar and sugarbeets.

### **311311 SUGARCANE MILLS**

This U.S. industry comprises establishments primarily engaged in processing sugarcane.

### **311312 CANE SUGAR REFINING**

This U.S. industry comprises establishments primarily engaged in refining cane sugar from raw cane sugar.

### **311313 BEET SUGAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing refined beet sugar from sugarbeets.

### **31132 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS**

This industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

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### **311320 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS**

This U.S. industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

### **31133 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE**

This industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

### **311330 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE**

This U.S. industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

### **31134 NONCHOCOLATE CONFECTIONERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primary engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

### **311340 NONCHOCOLATE CONFECTIONERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primary engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

### **3114 FRUIT AND VEGETABLE PRESERVING AND SPECIALTY FOOD MANUFACTURING**

This industry group comprises establishments primarily engaged in the following:

1. Those that freeze food and
2. Those that use preservation processes, such as pickling, canning, and dehydrating.

Both types begin their production process with inputs of vegetable or animal origin.

### **31141 FROZEN FOOD MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing frozen fruit, frozen juices, frozen vegetables, and frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped toppings; and frozen waffles, pancakes, and french toast.

### **311411 FROZEN FRUIT, JUICE, AND VEGETABLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing frozen fruits; frozen vegetables; and frozen fruit juices, ades, drinks, cocktail mixes and concentrates.

### **311412 FROZEN SPECIALTY FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped topping; and frozen waffles, pancakes, and french toast.

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## **31142 FRUIT AND VEGETABLE CANNING, PICKLING, AND DRYING**

This industry comprises establishments primarily engaged in manufacturing canned, pickled, and dried fruits, vegetables, and specialty foods. Establishments in this industry may package the dried or dehydrated ingredients they make with other purchased ingredients. Examples of products made by these establishments are canned juices; canned baby foods; canned soups (except seafood); canned dry beans; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste, pickles, relishes, jams and jellies, dried soup mixes and bullions, and sauerkraut.

### **311421 FRUIT AND VEGETABLE CANNING**

This U.S. industry comprises establishments primarily engaged in manufacturing canned, pickled, and brined fruits and vegetables. Examples of products made in these establishments are canned juices; canned jams and jellies; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste; pickles, relishes, and sauerkraut.

### **311422 SPECIALTY CANNING**

This U.S. industry comprises establishments primarily engaged in manufacturing canned specialty foods. Examples of products made in these establishments are canned baby food, canned baked beans, canned soups (except seafood), canned spaghetti, and other canned nationality foods.

### **311423 DRIED AND DEHYDRATED FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. Drying (including freeze-dried) and/or dehydrating fruits, vegetables, and soup mixes and bouillon and/or
2. Drying and/or dehydrating ingredients and packaging them with other purchased ingredients, such as rice and dry pasta.

## **3115 DAIRY PRODUCT MANUFACTURING**

This industry group comprises establishments that manufacture dairy products from raw milk, processed milk, and dairy substitutes.

### **31151 DAIRY PRODUCT (EXCEPT FROZEN) MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Manufacturing dairy products (except frozen) from raw milk and/or processed milk products;
2. Manufacturing dairy substitutes (except frozen) from soybeans and other nondairy substances; and
3. Manufacturing dry, condensed, concentrated, and evaporated dairy and dairy substitute products.

### **311511 FLUID MILK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. Manufacturing processed milk products, such as pasteurized milk or cream and sour cream and/or
2. Manufacturing fluid milk dairy substitutes from soybeans and other nondairy substances.

### **311512 CREAMERY BUTTER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing creamery butter from milk and/or processed milk products.



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### **311513 CHEESE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing cheese products (except cottage cheese) from raw milk and/or processed milk products and/or
2. manufacturing cheese substitutes from soybean and other nondairy substances.

### **311514 DRY, CONDENSED, AND EVAPORATED DAIRY PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing dry, condensed, and evaporated milk and dairy substitute products.

### **31152 ICE CREAM AND FROZEN DESSERT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

### **311520 ICE CREAM AND FROZEN DESSERT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

### **3116 ANIMAL SLAUGHTERING AND PROCESSING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Slaughtering animals;
2. Preparing processed meats and meat byproducts; and
3. Rendering and/or refining animal fat, bones, and meat scraps.

This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

### **31161 ANIMAL SLAUGHTERING AND PROCESSING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Slaughtering animals;
2. Preparing processed meats and meat byproducts; and
3. Rendering and/or refining animal fat, bones, and meat scraps.

This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

### **311611 ANIMAL (EXCEPT POULTRY) SLAUGHTERING**

This U.S. industry comprises establishments primarily engaged in slaughtering animals (except poultry and small game). Establishments that slaughter and prepare meats are included in this industry.

### **311612 MEAT PROCESSED FROM CARCASSES**

This U.S. industry comprises establishments primarily engaged in processing or preserving meat and meat byproducts (except poultry and small game) from purchased meats. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased meats.

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### **311613 RENDERING AND MEAT BYPRODUCT PROCESSING**

This U.S. industry comprises establishments primarily engaged in rendering animal fat, bones, and meat scraps.

### **311615 POULTRY PROCESSING**

This U.S. industry comprises establishments primarily engaged in:

1. slaughtering poultry and small game and/or
2. preparing processed poultry and small game meat and meat byproducts.

### **3117 SEAFOOD PRODUCT PREPARATION AND PACKAGING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Canning seafood (including soup);
2. Smoking, salting, and drying seafood;
3. Eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
4. Shucking and packing fresh shellfish;
5. Processing marine fats and oils; and
6. Freezing seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry group.

### **31171 SEAFOOD PRODUCT PREPARATION AND PACKAGING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Canning seafood (including soup);
2. Smoking, salting, and drying seafood;
3. Eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
4. Shucking and packing fresh shellfish;
5. Processing marine fats and oils; and
6. Freezing seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry.

### **311711 SEAFOOD CANNING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. Canning seafood (including soup) and marine fats and oils and/or
2. Smoking, salting, and drying seafood.

Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are also included in this industry.

### **311712 FRESH AND FROZEN SEAFOOD PROCESSING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
2. Shucking and packing fresh shellfish;

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3. Manufacturing frozen seafood; and
  4. Processing fresh and frozen marine fats and oils.

### **3118 Bakeries and Tortilla Manufacturing**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Bread and bakery product manufacturing;
2. Cookie, cracker, and pasta manufacturing; and
3. Tortilla manufacturing.

### **31181 Bread and Bakery Product Manufacturing**

This industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and other bakery products.

#### **311811 Retail Bakeries**

This U.S. industry comprises establishments primarily engaged in retailing bread and other bakery products not for immediate consumption made on the premises from flour, not from prepared dough.

#### **311812 Commercial Bakeries**

This U.S. industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and bread-type rolls and other fresh bakery (except cookies and crackers) products.

#### **311813 Frozen Cakes, Pies, and Other Pastries Manufacturing**

This U.S. industry comprises establishments primarily engaged in manufacturing frozen bakery products (except bread), such as cakes, pies, and doughnuts.

### **31182 Cookie, Cracker, and Pasta Manufacturing**

This industry comprises establishments primarily engaged in one of the following:

1. Manufacturing cookies and crackers;
2. Preparing flour and dough mixes and dough from flour ground elsewhere; and
3. Manufacturing dry pasta.

The establishments in this industry may package the dry pasta they manufacture with other ingredients.

#### **311821 Cookie and Cracker Manufacturing**

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

#### **311822 Flour Mixes and Dough Manufacturing from Purchased Flour**

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

#### **311823 Dry Pasta Manufacturing**

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

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### **311821 COOKIE AND CRACKER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

### **311822 FLOUR MIXES AND DOUGH MANUFACTURING FROM PURCHASED FLOUR**

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

### **311823 DRY PASTA MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

### **31183 TORTILLA MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing tortillas.

### **311830 TORTILLA MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing tortillas.

### **3119 OTHER FOOD MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruit, vegetable, and specialty foods; dairy products; meat products; seafood products; and bakeries and tortillas). The industry group includes industries with different productive processes, such as snack food manufacturing; coffee and tea manufacturing; concentrate, syrup, condiment, and spice manufacturing; and, in general, an entire range of other miscellaneous food product manufacturing.

### **31191 SNACK FOOD MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks;
3. Manufacturing peanut butter; and
4. Manufacturing potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

### **311911 ROASTED NUTS AND PEANUT BUTTER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks; and
3. Manufacturing peanut butter.

### **311919 OTHER SNACK FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing snack foods (except roasted nuts and peanut butter).

### **31192 COFFEE AND TEA MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

- 
1. Roasting coffee;
  2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
  3. Blending tea;
  4. Manufacturing herbal tea; and
  5. Manufacturing coffee extracts, flavorings, and syrups.

### **311920 COFFEE AND TEA MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Roasting coffee;
2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
3. Blending tea;
4. Manufacturing herbal tea; and
5. Manufacturing coffee extracts, flavorings, and syrups.

### **31193 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

### **311930 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

### **31194 SEASONING AND DRESSING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Manufacturing dressings and sauces, such as mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravies);
2. Manufacturing spices, table salt, seasoning, and flavoring extracts (except coffee and meat), and natural food colorings; and
3. Manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

### **311941 MAYONNAISE, DRESSING, AND OTHER PREPARED SAUCE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravy).

### **311942 SPICE AND EXTRACT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. Manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or
2. Manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

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### **31199 ALL OTHER FOOD MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings; and dressings). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

### **311991 PERISHABLE PREPARED FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing perishable prepared foods, such as salads, sandwiches, prepared meals, fresh pizza, fresh pasta, and peeled or cut vegetables.

### **311999 ALL OTHER MISCELLANEOUS FOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakery and tortillas products; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings and dressings; and perishable prepared food). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

### **312 BEVERAGE AND TOBACCO PRODUCT MANUFACTURING**

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments:

1. Those that manufacture nonalcoholic beverages;
2. Those that manufacture alcoholic beverages through the fermentation process; and
3. Those that produce distilled alcoholic beverages.

Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed under distillery product manufacturing, but rather under the NAICS class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments:

1. Those engaged in redrying and stemming tobacco and,
2. Those that manufacture tobacco products, such as cigarettes and cigars.

### **3121 BEVERAGE MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing soft drinks; ice; bottled water; breweries; wineries; and/or distilleries.

### **31211 SOFT DRINK AND ICE MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. Manufacturing soft drinks;

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2. Manufacturing ice; and
  3. Purifying and bottling water.

### **312111 SOFT DRINK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing soft drinks and artificially carbonated waters.

### **312112 BOTTLED WATER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in purifying and bottling water (including naturally carbonated).

### **312113 ICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ice.

### **31212 BREWERIES**

This industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

### **312120 BREWERIES**

This U.S. industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

### **31213 WINERIES**

This industry comprises establishments primarily engaged in one or more of the following:

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing wine and brandies from grapes and other fruits grown elsewhere; and
3. Blending wines and brandies.

### **312130 WINERIES**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing wine and brandies from grapes and other fruits grown elsewhere; and
3. Blending wines and brandies.

### **31214 DISTILLERIES**

This industry comprises establishments primarily engaged in one or more of the following:

1. Distilling potable liquors (except brandies);
2. Distilling and blending liquors; and
3. Blending and mixing liquors and other ingredients.

### **312140 DISTILLERIES**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. Distilling potable liquors (except brandies);
2. Distilling and blending liquors; and
3. Blending and mixing liquors and other ingredients.

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### **3122 TOBACCO MANUFACTURING**

This industry group comprises establishments primarily engaged in the stemming and redrying of tobacco, and in the manufacturing of tobacco products.

#### **31221 TOBACCO STEMMING AND REDRYING**

This industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

#### **312210 TOBACCO STEMMING AND REDRYING**

This U.S. industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

#### **31222 TOBACCO PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and reconstituted tobacco.

#### **312221 CIGARETTE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cigarettes.

#### **312229 OTHER TOBACCO PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing tobacco products (except cigarettes).

### **313 TEXTILE MILLS**

Industries in the Textile Mills subsector group establishments that transform a basic fiber (natural or synthetic) into a product, such as yarn or fabric, that is further manufactured into usable items, such as apparel, sheets towels, and textile bags for individual or industrial consumption. The further manufacturing may be performed in the same establishment and classified in this subsector, or it may be performed at a separate establishment and be classified elsewhere in manufacturing.

The main processes in this subsector include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the textile. The NAICS structure follows and captures this process flow. Major industries in this flow, such as preparation of fibers, weaving of fabric, knitting of fabric, and fiber and fabric finishing, are uniquely identified. Texturizing, throwing, twisting, and winding of yarn contains aspects of both fiber preparation and fiber finishing and is classified with preparation of fibers rather than with finishing of fiber.

NAICS separates the manufacturing of primary textiles and the manufacturing of textile products (except apparel) when the textile product is produced from purchased primary textiles, such as fabric. The manufacturing of textile products (except apparel) from purchased fabric is classified in Subsector 314, Textile Product Mills, and apparel from purchased fabric is classified in Subsector 315, Apparel Manufacturing.

Excluded from this subsector are establishments that weave or knit fabric and make garments. These establishments are included in Subsector 315, Apparel Manufacturing.

#### **3131 FIBER, YARN, AND THREAD MILLS**

This NAICS Industry Group include establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

#### **31311 FIBER, YARN, AND THREAD MILLS**

This industry comprises establishments primarily engaged in one or more of the following:

1. spinning yarn



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2. manufacturing thread of any fiber
  3. texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments
  4. producing hemp yarn and further processing into rope or bags.

### **313111 YARN SPINNING MILLS**

This U.S. industry comprises establishments primarily engaged in spinning yarn from any fiber and/or producing hemp yarn and further processing into rope or bags.

### **313112 YARN TEXTURIZING, THROWING, AND TWISTING MILLS**

This U.S. industry comprises establishments primarily engaged in texturizing, throwing, twisting, spooling, or winding purchased yarns or manmade fiber filaments.

### **313113 THREAD MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing thread (e.g., sewing, hand-knitting, crochet) of all fibers.

### **3132 FABRIC MILLS**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Broadwoven fabric mills;
2. Narrow fabric mills and schiffli machine embroidery;
3. Nonwoven fabric mills; and
4. Knit fabric mills.

### **31321 BROADWOVEN FABRIC MILLS**

This industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

#### **313210 BROADWOVEN FABRIC MILLS**

This U.S. industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

#### **31322 NARROW FABRIC MILLS AND SCHIFFLI MACHINE EMBROIDERY**

This industry comprises establishments primarily engaged in one or more of the following:

1. weaving or braiding narrow fabrics
2. manufacturing Schiffli machine embroideries
3. making fabric-covered elastic yarn and thread.

#### **313221 NARROW FABRIC MILLS**

This U.S. industry comprises establishments primarily engaged in:

1. weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or
2. making fabric-covered elastic yarn and thread.

Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products.

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### **313222 SCHIFFLI MACHINE EMBROIDERY**

This U.S. industry comprises establishments primarily engaged in manufacturing Schiffli machine embroideries.

### **31323 NONWOVEN FABRIC MILLS**

This industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

### **313230 NONWOVEN FABRIC MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

### **31324 KNIT FABRIC MILLS**

This industry comprises establishments primarily engaged in one of the following:

1. knitting weft (i.e., circular) and warp (i.e., flat) fabric
2. knitting and finishing weft and warp fabric
3. manufacturing lace
4. manufacturing, dyeing, and finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

### **313241 WEFT KNIT FABRIC MILLS**

This U.S. industry comprises establishments primarily engaged in knitting weft (i.e., circular) fabric or knitting and finishing weft fabric. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

### **313249 OTHER KNIT FABRIC AND LACE MILLS**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. knitting warp (i.e., flat) fabric;
2. knitting and finishing warp fabric;
3. manufacturing lace; or
4. manufacturing, dyeing, or finishing lace and lace goods.

Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

### **3133 TEXTILE AND FABRIC FINISHING AND FABRIC COATING MILLS**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Textile and fabric finishing mills and
2. Fabric coating mills.

### **31331 TEXTILE AND FABRIC FINISHING MILLS**

This industry comprises:

1. establishments primarily engaged in finishing of textiles, fabrics, and apparel
2. establishments of converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale. Finishing operations include:

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- a. bleaching
  - b. dyeing
  - c. printing (e.g., roller, screen, flock, plisse)
  - d. stonewashing
  - e. other mechanical finishing (preshrinking, shrinking, sponging, calendering, mercerizing, and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock).

### **313311 BROADWOVEN FABRIC FINISHING MILLS**

This U.S. industry comprises:

1. Establishments primarily engaged in finishing broadwoven fabrics
2. Establishments of converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale.

### **313312 TEXTILE AND FABRIC FINISHING (EXCEPT BROADWOVEN FABRIC) MILLS**

This U.S. industry comprises:

1. Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven)
2. Establishments of converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

### **31332 FABRIC COATING MILLS**

This industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

### **313320 FABRIC COATING MILLS**

This U.S. industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

### **314 TEXTILE PRODUCT MILLS**

Industries in the Textile Product Mills subsector group establishments that make textile products (except apparel). With a few exceptions, processes used in these industries are generally cut and sew (i.e., purchasing fabric and cutting and sewing to make nonapparel textile products, such as sheets and towels).

### **3141 TEXTILE FURNISHINGS MILLS**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Carpet and rug mills and
2. Curtain and linen mills.

### **31411 CARPET AND RUG MILLS**

This industry comprises establishments primarily engaged in one or more of the following:

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1. Manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
  2. Finishing carpets and rugs.

### **314110 CARPET AND RUG MILLS**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
2. finishing carpets and rugs.

### **31412 CURTAIN AND LINEN MILLS**

This industry comprises establishments primarily engaged in manufacturing household textile products, such as curtains, draperies, linens, bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

### **314121 CURTAIN AND DRAPERY MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing window curtains and draperies from purchased fabrics or sheet goods. The curtains and draperies may be made on a stock or custom basis for sale to individual retail customers.

### **314129 OTHER HOUSEHOLD TEXTILE PRODUCT MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing household textile products (except window curtains and draperies), such as bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

### **3149 OTHER TEXTILE PRODUCT MILLS**

This industry group comprises establishments primarily engaged in making textile products, (except carpets and rugs, curtains and draperies, and other household textile products) from purchased materials.

### **31491 TEXTILE BAG AND CANVAS MILLS**

This industry comprises establishments primarily engaged in manufacturing textile bags, awnings, tents, and related products from purchased textile fabrics.

### **314911 TEXTILE BAG MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing bags from purchased textile fabrics or yarns.

### **314912 CANVAS AND RELATED PRODUCT MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing canvas and canvas-like products, such as awnings, sails, tarpaulins, and tents, from purchased fabrics.

### **31499 ALL OTHER TEXTILE PRODUCT MILLS**

This industry comprises establishments primarily engaged in manufacturing nonapparel textile products (except carpet, rugs, curtains, linens, bags, and canvas products) from purchased materials.

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### **314991 ROPE, CORDAGE, AND TWINE MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from all materials (e.g., abaca, sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass).

### **314992 TIRE CORD AND TIRE FABRIC MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing cord and fabric of polyester, rayon, cotton, glass, steel, or other materials for use in reinforcing rubber tires, industrial belting, and similar uses.

### **314999 ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing textile products (except carpets and rugs; curtains and linens; textile bags and canvas products; rope, cordage, and twine; and tire cords and tire fabrics) from purchased materials.

## **315 APPAREL MANUFACTURING**

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes:

1. Cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment), and
2. The manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment.

The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

### **3151 APPAREL KNITTING MILLS**

This industry group comprises establishments primarily engaged in knitting apparel or knitting fabric and then manufacturing apparel. This industry group includes jobbers performing entrepreneurial functions involved in knitting apparel and accessories. Knitting fabric, without manufacturing apparel, is classified in Subsector 313, Textile Mills.

### **31511 HOSIERY AND SOCK MILLS**

This industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery and socks.

#### **315111 SHEER HOSIERY MILLS**

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing women's, misses', and girls' full-length and knee-length sheer hosiery (except socks).

#### **315119 OTHER HOSIERY AND SOCK MILLS**

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery (except women's, misses', and girls' sheer hosiery).

### **31519 OTHER APPAREL KNITTING MILLS**

This industry comprises establishments primarily engaged in one of the following:

1. knitting underwear, outerwear, and/or nightwear;

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2. knitting fabric and manufacturing underwear, outerwear, and/or nightwear; or
  3. knitting, manufacturing, and finishing knit underwear, outerwear, and/or nightwear.

### **315191 OUTERWEAR KNITTING MILLS**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. knitting outerwear;
2. knitting fabric and manufacturing outerwear; and
3. knitting, manufacturing, and finishing knit outerwear.

Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

### **315192 UNDERWEAR AND NIGHTWEAR KNITTING MILLS**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. knitting underwear and nightwear;
2. knitting fabric and manufacturing underwear and nightwear; or
3. knitting, manufacturing, and finishing knit underwear and nightwear.

Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

### **3152 CUT AND SEW APPAREL MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing cut and sew apparel from woven fabric or purchased knit fabric. Included in this industry group is a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients. Establishments weaving or knitting fabric, without manufacturing apparel, are classified in Subsector 313, Textile Mills.

### **31521 CUT AND SEW APPAREL CONTRACTORS**

This industry comprises establishments commonly referred to as contractors primarily engaged in one of the following:

1. cutting materials owned by others for apparel and accessories and/or
2. sewing materials owned by others for apparel and accessories.

### **315211 MEN'S AND BOYS' CUT AND SEW APPAREL CONTRACTORS**

This U.S. industry comprises establishments (commonly referred to as contractors) primarily engaged in:

1. cutting materials owned by others for men's and boys' apparel and/or
2. sewing materials owned by others for men's and boys' apparel.

### **315212 WOMEN'S, GIRLS', AND INFANTS' CUT AND SEW APPAREL CONTRACTORS**

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in one of the following:

1. cutting materials owned by others for women's, girls', and infants' apparel and accessories and/or
2. sewing materials owned by others for women's, girls', and infants' apparel and accessories.

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### **31522 MEN'S AND BOYS' CUT AND SEW APPAREL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew apparel from purchased fabric. Men's and boys' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315221 MEN'S AND BOYS' CUT AND SEW UNDERWEAR AND NIGHTWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' underwear and nightwear from purchased fabric. Men's and boys' underwear and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are briefs, bathrobes, underwear T-shirts and shorts, nightshirts, and pajamas.

### **315222 MEN'S AND BOYS' CUT AND SEW SUIT, COAT, AND OVERCOAT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric. Men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315223 MEN'S AND BOYS' CUT AND SEW SHIRT (EXCEPT WORK SHIRT) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

### **315224 MEN'S AND BOYS' CUT AND SEW TROUSER, SLACK, AND JEAN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric. Men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315225 MEN'S AND BOYS' CUT AND SEW WORK CLOTHING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric. Men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are washable service apparel, laboratory coats, work shirts, work pants (except jeans and dungarees), and hospital apparel.

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### **315228 MEN'S AND BOYS' CUT AND SEW OTHER OUTERWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweatpants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

### **31523 WOMEN'S AND GIRLS' CUT AND SEW APPAREL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing women's and girls' apparel from purchased fabric. Women's and girls' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315231 WOMEN'S AND GIRLS' CUT AND SEW LINGERIE, LOUNGEWEAR, AND NIGHTWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

### **315232 WOMEN'S AND GIRLS' CUT AND SEW BLOUSE AND SHIRT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric. Women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315233 WOMEN'S AND GIRLS' CUT AND SEW DRESS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric. Women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315234 WOMEN'S AND GIRLS' CUT AND SEW SUIT, COAT, TAILORED JACKET, AND SKIRT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.



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### **315239 WOMEN'S AND GIRLS' CUT AND SEW OTHER OUTERWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts). Women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathing suits, down coats, sweaters, jogging suits, outerwear pants and shorts, and windbreakers.

### **31529 OTHER CUT AND SEW APPAREL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except men's, boys', women's, and girls' apparel). This industry includes establishments manufacturing apparel, such as fur apparel, leather apparel, infants' apparel, costumes, and clerical vestments.

### **315291 INFANTS' CUT AND SEW APPAREL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. Infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

### **315292 FUR AND LEATHER APPAREL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew fur and leather apparel, and sheep-lined clothing. Fur and leather apparel jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

### **315299 ALL OTHER CUT AND SEW APPAREL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Clothing jobbers for these products, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

### **3159 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing apparel accessories and other apparel (except apparel knitting mills, apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, infants' cut and sew apparel, fur and leather apparel, and all other cut and sew apparel). This industry group includes jobbers performing entrepreneurial functions involved in manufacturing apparel accessories.

### **31599 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who

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perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

### **315991 HAT, CAP, AND MILLINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew hats, caps, millinery, and hat bodies from purchased fabric. Jobbers, who perform entrepreneurial functions involved in hat, cap, and millinery manufacture, including buying raw materials, designing and preparing samples, arranging for hats, caps, and millinery to be made from their materials, and marketing finished hats, caps, and millinery, are included.

### **315992 GLOVE AND MITTEN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew gloves (except rubber, metal, and athletic gloves) and mittens from purchased fabric, fur, leather, or from combinations of fabric, fur, or leather. Jobbers, who perform entrepreneurial functions involved in glove and mitten manufacture, including buying raw materials, designing and preparing samples, arranging for gloves and mittens to be made from their materials, and marketing finished gloves and mittens, are included.

### **315993 MEN'S AND BOYS' NECKWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew neckties, scarves, and mufflers from purchased fabric, leather, or from combinations of leather and fabric. Men's and boys' neckwear jobbers, who perform entrepreneurial functions involved in neckwear manufacture, including buying raw materials, designing and preparing samples, arranging for neckwear to be made from their materials, and marketing finished neckwear, are included.

### **315999 OTHER APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, and suspenders.

### **316 LEATHER AND ALLIED PRODUCT MANUFACTURING**

Establishments in the Leather and Allied Product Manufacturing subsector transform hides into leather by tanning or curing and fabricating the leather into products for final consumption. It also includes the manufacture of similar products from other materials, including products (except apparel) made from "leather substitutes," such as rubber, plastics, or textiles. Rubber footwear, textile luggage, and plastics purses or wallets are examples of "leather substitute" products included in this group. The products made from leather substitutes are included in this subsector because they are made in similar ways leather products are made (e.g., luggage). They are made in the same establishments, so it is not practical to separate them.

The inclusion of leather making in this subsector is partly because leather tanning is a relatively small industry that has few close neighbors as a production process, partly because leather is an input to some of the other products classified in this subsector and partly for historical reasons.

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### **3161 LEATHER AND HIDE TANNING AND FINISHING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Tanning, currying, and finishing hides and skins;
2. Having others process hides and skins on a contract basis; and
3. Dyeing or dressing furs.

### **31611 LEATHER AND HIDE TANNING AND FINISHING**

This industry comprises establishments primarily engaged in one or more of the following:

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

### **316110 LEATHER AND HIDE TANNING AND FINISHING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

### **3162 FOOTWEAR MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

### **31621 FOOTWEAR MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing footwear (except orthopedic extension footwear).

### **316211 RUBBER AND PLASTICS FOOTWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

### **316212 HOUSE SLIPPER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing house slippers and slipper socks, regardless of material.

### **316213 MEN'S FOOTWEAR (EXCEPT ATHLETIC) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing men's footwear designed primarily for dress, street, and work. This industry includes men's shoes with rubber or plastics soles and leather or vinyl uppers.

### **316214 WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's footwear designed for dress, street, and work. This industry includes women's shoes with rubber or plastics soles and leather or vinyl uppers.

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### **316219 OTHER FOOTWEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing other footwear (except rubber and plastics footwear; house slippers; men's footwear (except athletic); and women's footwear (except athletic)).

### **3169 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

### **31699 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

### **316991 LUGGAGE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing luggage of any material.

### **316992 WOMEN'S HANDBAG AND PURSE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing women's handbags and purses of any material (except precious metal).

### **316993 PERSONAL LEATHER GOOD (EXCEPT WOMEN'S HANDBAG AND PURSE) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing personal leather goods (i.e., small articles of any material (except metal) normally carried on or about the person or in a handbag). Examples of personal leather goods made by these establishments are billfolds, coin purses, key cases, toilet kits, and watchbands (except metal).

### **316999 ALL OTHER LEATHER GOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing leather goods (except footwear, luggage, handbags, purses, and personal leather goods).

### **321 WOOD PRODUCT MANUFACTURING**

Industries in the Wood Product Manufacturing subsector manufacture wood products, such as lumber, plywood, veneers, wood containers, wood flooring, wood trusses, manufactured homes (i.e., mobile home), and prefabricated wood buildings. The production processes of the Wood Product Manufacturing subsector include sawing, planing, shaping, laminating, and assembling of wood products starting from logs that are cut into bolts, or lumber that then may be further cut, or shaped by lathes or other shaping tools. The lumber or other transformed wood shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wood containers. The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

### **3211 SAWMILLS AND WOOD PRESERVATION**

This industry group comprises establishments whose primary production process begins with logs or bolts that are transformed into boards, dimension lumber, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips. Establishments that cut and treat round wood and/or treat wood products made in other establishments to prevent rotting by impregnation with creosote or other chemical compounds are also included in this industry group.

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### **32111 SAWMILLS AND WOOD PRESERVATION**

This industry comprises establishments primarily engaged in one or more of the following:

1. sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts;
2. sawing round wood poles, pilings, and posts and treating them with preservatives; and
3. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects.

Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

### **321113 SAWMILLS**

This U.S. industry comprises establishments primarily engaged in sawing dimension lumber, boards, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

### **321114 WOOD PRESERVATION**

This U.S. industry comprises establishments primarily engaged in:

1. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives, such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or
2. sawing round wood poles, pilings, and posts and treating them with preservatives.

### **3212 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing veneer and/or plywood;
2. Manufacturing engineered wood members; and
3. Manufacturing reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

### **32121 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing veneer and/or plywood;
2. manufacturing engineered wood members; and
3. manufacturing reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

### **321211 HARDWOOD VENEER AND PLYWOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing hardwood veneer and/or hardwood plywood.

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### **321212 SOFTWOOD VENEER AND PLYWOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing softwood veneer and/or softwood plywood.

### **321213 ENGINEERED WOOD MEMBER (EXCEPT TRUSS) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated or laminated wood arches and/or other fabricated or laminated wood structural members.

### **321214 TRUSS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing laminated or fabricated wood roof and floor trusses.

### **321219 RECONSTITUTED WOOD PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

### **3219 OTHER WOOD PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, or engineered wood products).

### **32191 MILLWORK**

This industry comprises establishments primarily engaged in manufacturing hardwood and softwood cut stock and dimension stock (i.e., shapes); wood windows and wood doors; and other millwork including wood flooring. Dimension stock or cut stock is defined as lumber and worked wood products cut or shaped to specialized sizes. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

### **321911 WOOD WINDOW AND DOOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing window and door units, sash, window and door frames, and doors from wood or wood clad with metal or plastics.

### **321912 CUT STOCK, RESAWING LUMBER, AND PLANING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing dimension lumber from purchased lumber;
2. manufacturing dimension stock (i.e., shapes) or cut stock;
3. resawing the output of sawmills; and
4. planing purchased lumber.

These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

### **321918 OTHER MILLWORK (INCLUDING FLOORING)**

This U.S. industry comprises establishments primarily engaged in manufacturing millwork (except wood windows, wood doors, and cut stock).

### **32192 WOOD CONTAINER AND PALLET MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

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### **321920 WOOD CONTAINER AND PALLET MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

### **32199 ALL OTHER WOOD PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, engineered wood products, millwork, wood containers, or pallets).

### **321991 MANUFACTURED HOME (MOBILE HOME) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in making manufactured homes (i.e., mobile homes) and nonresidential mobile buildings. Manufactured homes are designed to accept permanent water, sewer, and utility connections and although equipped with wheels, they are not intended for regular highway movement.

### **321992 PREFABRICATED WOOD BUILDING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated wood buildings and wood sections and panels for prefabricated wood buildings.

### **321999 ALL OTHER MISCELLANEOUS WOOD PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and preservation facilities; establishments manufacturing veneer, engineered wood products, millwork, wood containers, pallets, and wood container parts; and establishments making manufactured homes (i.e., mobile homes) and prefabricated buildings and components).

## **322 PAPER MANUFACTURING**

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.



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An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the NAICS Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film. The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

### **3221 PULP, PAPER, AND PAPERBOARD MILLS**

This industry group comprises establishments primarily engaged in manufacturing pulp, paper, or paperboard.

#### **32211 PULP MILLS**

This industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

##### **322110 PULP MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

##### **32212 PAPER MILLS**

This industry comprises establishments primarily engaged in manufacturing paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may convert the paper they make. The activity of making paper classifies an establishment into this industry regardless of the output.

##### **322121 PAPER (EXCEPT NEWSPRINT) MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

##### **322122 NEWSPRINT MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

##### **32213 PAPERBOARD MILLS**

This industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

##### **322130 PAPERBOARD MILLS**

This U.S. industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.



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## **3222 CONVERTED PAPER PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in converting paper or paperboard without manufacturing paper or paperboard.

### **32221 PAPERBOARD CONTAINER MANUFACTURING**

This industry comprises establishments primarily engaged in converting paperboard into containers without manufacturing paperboard. These establishments use corrugating, cutting, and shaping machinery to form paperboard into containers. Products made by these establishments include boxes; corrugated sheets, pads, and pallets; paper dishes; and fiber drums and reels.

#### **322211 CORRUGATED AND SOLID FIBER BOX MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in laminating purchased paper or paperboard into corrugated or solid fiber boxes and related products, such as pads, partitions, pallets, and corrugated paper without manufacturing paperboard. These boxes are generally used for shipping.

#### **322212 FOLDING PAPERBOARD BOX MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paperboard (except corrugated) into folding paperboard boxes without manufacturing paper and paperboard.

#### **322213 SETUP PAPERBOARD BOX MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paperboard into setup paperboard boxes (i.e., rigid-sided boxes not shipped flat) without manufacturing paperboard.

#### **322214 FIBER CAN, TUBE, DRUM, AND SIMILAR PRODUCTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paperboard into fiber cans, tubes, drums, and similar products without manufacturing paperboard.

#### **322215 NONFOLDING SANITARY FOOD CONTAINER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting sanitary foodboard into food containers (except folding).

### **32222 PAPER BAG AND COATED AND TREATED PAPER MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. cutting and coating paper and paperboard;
2. cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film);
3. manufacturing bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film;
4. manufacturing laminated aluminum and other converted metal foils from purchased foils; and
5. surface coating paper or paperboard.

### **322221 COATED AND LAMINATED PACKAGING PAPER AND PLASTICS FILM MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. cutting and coating paper and

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2. cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates).

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

### **322222 COATED AND LAMINATED PAPER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging:

1. cutting and coating paper;
2. cutting and laminating paper and other flexible materials (except plastics film to plastics film); and
3. laminating aluminum and other metal foils for nonpackaging uses from purchased foils.

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

### **322223 PLASTICS, FOIL, AND COATED PAPER BAG MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing bags of coated paper, of metal foil, or of laminated or coated combinations of plastics, foil, and paper, whether or not printed.

### **322224 UNCOATED PAPER AND MULTIWALL BAG MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing uncoated paper bags or multiwall bags and sacks.

### **322225 LAMINATED ALUMINUM FOIL MANUFACTURING FOR FLEXIBLE PACKAGING USES**

This U.S. industry comprises establishments primarily engaged in laminating aluminum and other metal foil into products with flexible packaging uses or gift wrap and other packaging wrap applications.

### **322226 SURFACE-COATED PAPERBOARD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in laminating, lining, or surface coating purchased paperboard to make other paperboard products.

### **32223 STATIONERY PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in converting paper or paperboard into products used for writing, filing, art work, and similar applications.

### **322231 DIE-CUT PAPER AND PAPERBOARD OFFICE SUPPLIES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paper rollstock or paperboard into die-cut paper or paperboard office supplies. For the purpose of this industry, office supplies are defined as office products, such as filing folders, index cards, rolls for adding machines, file separators and dividers, tabulating cards, and other paper and paperboard office supplies.

### **322232 ENVELOPE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing envelopes for mailing or stationery of any material including combinations.

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### **322233 STATIONERY, TABLET, AND RELATED PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., looseleaf fillers, notebooks, pads, stationery, and tablets).

### **32229 OTHER CONVERTED PAPER PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in one of the following:

1. converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or
2. converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes.

Processes used include laminating or lining purchased paper or paperboard.

### **322291 SANITARY PAPER PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting purchased sanitary paper stock or wadding into sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, sanitary napkins, and tampons.

### **322299 ALL OTHER CONVERTED PAPER PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting paper or paperboard into products (except containers, bags, coated and treated paper, stationery products, and sanitary paper products) or converting pulp into pulp products, such as egg cartons, food trays, and other food containers from molded pulp.

### **323 PRINTING AND RELATED SUPPORT ACTIVITIES**

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, labels, business cards, stationery, business forms, and other materials, and perform support activities, such as data imaging, platemaking services, and bookbinding. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, film, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, NAICS classifies the publishing of printed products in Subsector 511, Publishing Industries (except Internet). Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

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## **3231 PRINTING AND RELATED SUPPORT ACTIVITIES**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods) and/or
2. Performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

### **32311 PRINTING**

This industry comprises establishments primarily engaged in printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods). The printing processes employed include, but are not limited to, lithographic, gravure, screen, flexographic, digital, and letterpress. Establishments in this industry do not manufacture the stock that they print but may perform postprinting activities, such as folding, cutting, or laminating the materials they print, and mailing.

#### **323110 COMMERCIAL LITHOGRAPHIC PRINTING**

This U.S. industry comprises establishments primarily engaged in lithographic (i.e., offset) printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in lithographic printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

#### **323111 COMMERCIAL GRAVURE PRINTING**

This U.S. industry comprises establishments primarily engaged in gravure printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in gravure printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

#### **323112 COMMERCIAL FLEXOGRAPHIC PRINTING**

This U.S. industry comprises establishments primarily engaged in flexographic printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in flexographic printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

#### **323113 COMMERCIAL SCREEN PRINTING**

This U.S. industry comprises establishments primarily engaged in screen printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in screen printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis. Establishments primarily engaged in printing on apparel and textile products, such as T-shirts, caps, jackets, towels, and napkins, are included in this industry.

#### **323114 QUICK PRINTING**

This U.S. industry comprises establishments primarily engaged in traditional printing activities, such as short-run offset printing or prepress services, in combination with providing document photocopying service. Prepress services include receiving documents in electronic format and directly duplicating from the electronic file and formatting, colorizing, and otherwise modifying the original document to improve presentation. These establishments, known as quick printers, generally provide short-run printing and copying with fast turnaround times.

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### **323115 DIGITAL PRINTING**

This U.S. industry comprises establishments primarily engaged in printing graphical materials using digital printing equipment. Establishments known as digital printers typically provide sophisticated prepress services including using scanners to input images and computers to manipulate and format the graphic images prior to printing.

### **323116 MANIFOLD BUSINESS FORMS PRINTING**

This U.S. industry comprises establishments primarily engaged in printing special forms, including checkbooks, for use in the operation of a business. The forms may be in single and multiple sets, including carbonized, interleaved with carbon, or otherwise processed for multiple reproduction.

### **323117 BOOKS PRINTING**

This U.S. industry comprises establishments primarily engaged in printing or printing and binding books and pamphlets without publishing.

### **323118 BLANKBOOK, LOOSELEAF BINDERS, AND DEVICES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and binders. Establishments in this industry may print or print and bind.

### **323119 OTHER COMMERCIAL PRINTING**

This U.S. industry comprises establishments primarily engaged in commercial printing (except lithographic, gravure, screen, or flexographic printing) without publishing (except books, grey goods, and manifold business forms). Printing processes included in this industry are letterpress printing and engraving printing. This industry includes establishments engaged in commercial printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

### **32312 SUPPORT ACTIVITIES FOR PRINTING**

This industry comprises establishments primarily engaged in performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

### **323121 TRADEBINDING AND RELATED WORK**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. tradebinding;
2. sample mounting; and
3. postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

### **323122 PREPRESS SERVICES**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. prepress services, such as imagesetting or typesetting, for printers and
2. preparing film or plates for printing purposes.

### **324 PETROLEUM AND COAL PRODUCTS MANUFACTURING**

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

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In addition, this subsector includes establishments that primarily further process refined petroleum and coal products and produce products, such as asphalt coatings and petroleum lubricating oils. However, establishments that manufacture petrochemicals from refined petroleum are classified in Industry 32511, Petrochemical Manufacturing.

### **3241 PETROLEUM AND COAL PRODUCTS MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Petroleum refineries manufacturing;
2. Asphalt paving, roofing, and saturated materials manufacturing; and/or
3. Other petroleum and coal products manufacturing.

#### **32411 PETROLEUM REFINERIES**

This industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

##### **324110 PETROLEUM REFINERIES**

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

#### **32412 ASPHALT PAVING, ROOFING, AND SATURATED MATERIALS MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or
2. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

##### **324121 ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing asphalt and tar paving mixtures and blocks from purchased asphaltic materials.

##### **324122 ASPHALT SHINGLE AND COATING MATERIALS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and
2. manufacturing asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

#### **32419 OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing and saturated materials) from refined petroleum or coal products made in coke ovens not integrated with a steel mill.

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### **324191 PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in blending or compounding refined petroleum to make lubricating oils and greases and/or re-refining used petroleum lubricating oils.

### **324199 ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials and lubricating oils and greases) from refined petroleum and coal products made in coke ovens not integrated with a steel mill.

### **325 CHEMICAL MANUFACTURING**

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products. This subsector distinguishes the production of basic chemicals that comprise the first industry group from the production of intermediate and end products produced by further processing of basic chemicals that make up the remaining industry groups.

This subsector does not include all industries transforming raw materials by a chemical process. It is common for some chemical processing to occur during mining operations. These beneficiating operations, such as copper concentrating, are classified in Sector 21, Mining. Furthermore, the refining of crude petroleum is included in Subsector 324, Petroleum and Coal Products Manufacturing. In addition, the manufacturing of aluminum oxide is included in Subsector 331, Primary Metal Manufacturing; and beverage distilleries are classified in Subsector 312, Beverage and Tobacco Product Manufacturing. As in the case of these two activities, the grouping of industries into subsectors may take into account the association of the activities performed with other activities in the subsector.

### **3251 BASIC CHEMICAL MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically-defined compounds.

### **32511 PETROCHEMICAL MANUFACTURING**

This industry comprises establishments primarily engaged in one of the following:

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

### **325110 PETROCHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

### **32512 INDUSTRIAL GAS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

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### **325120 INDUSTRIAL GAS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

### **32513 SYNTHETIC DYE AND PIGMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing synthetic organic and inorganic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

### **325131 INORGANIC DYE AND PIGMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing inorganic dyes and pigments.

### **325132 SYNTHETIC ORGANIC DYE AND PIGMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic organic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

### **32518 OTHER BASIC INORGANIC CHEMICAL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases and synthetic dyes and pigments).

### **325181 ALKALIES AND CHLORINE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

### **325182 CARBON BLACK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

### **325188 ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

### **32519 OTHER BASIC ORGANIC CHEMICAL MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing basic organic chemicals (except petrochemicals, industrial gases, and synthetic dyes and pigments).

### **325191 GUM AND WOOD CHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

### **325192 CYCLIC CRUDE AND INTERMEDIATE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in (1) distilling coal tars and/or (2) manufacturing cyclic crudes or, cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.



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### **325193 ETHYL ALCOHOL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

### **325199 ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

### **3252 RESIN, SYNTHETIC RUBBER, AND ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Resin and synthetic rubber manufacturing and
2. Artificial and synthetic fibers and filaments manufacturing.

### **32521 RESIN AND SYNTHETIC RUBBER MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis;
2. manufacturing noncustomized synthetic resins; and
3. manufacturing synthetic rubber.

### **325211 PLASTICS MATERIAL AND RESIN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in

1. manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or
2. manufacturing noncustomized synthetic resins.

### **325212 SYNTHETIC RUBBER MANUFACTURING**

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

### **32522 ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING**

This industry comprises establishments primarily engaged in one of the following:

1. manufacturing cellulosic (i.e., rayon and acetate) and noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturing cellulosic and noncellulosic fibers and filaments.

### **325221 CELLULOSIC ORGANIC FIBER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturizing cellulosic fibers and filaments.

### **325222 NONCELLULOSIC ORGANIC FIBER MANUFACTURING**

This U.S. industry consists of establishments primarily engaged in one of the following:

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1. manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow, or
  2. manufacturing and texturizing noncellulosic fibers and filaments.

### **3253 PESTICIDE, FERTILIZER, AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING**

This industry group includes establishments classified in one of the following:

1. Fertilizer manufacturing and/or
2. Pesticide and other agricultural chemical manufacturing.

#### **32531 FERTILIZER MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing nitrogenous or phosphatic fertilizer materials;
2. manufacturing fertilizers from sewage or animal waste;
3. manufacturing nitrogenous or phosphatic materials and mixing with other ingredients into fertilizers; and
4. mixing ingredients made elsewhere into fertilizers.

#### **325311 NITROGENOUS FERTILIZER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing nitrogenous fertilizer materials and mixing ingredients into fertilizers;
2. manufacturing fertilizers from sewage or animal waste; and
3. manufacturing nitrogenous materials and mixing them into fertilizers.

#### **325312 PHOSPHATIC FERTILIZER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing phosphatic fertilizer materials or
2. manufacturing phosphatic materials and mixing them into fertilizers.

#### **325314 FERTILIZER (MIXING ONLY) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in mixing ingredients made elsewhere into fertilizers.

#### **32532 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING**

This industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

#### **325320 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

#### **3254 PHARMACEUTICAL AND MEDICINE MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing biological and medicinal products;
2. Processing (i.e., grading, grinding, and milling) botanical drugs and herbs;

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3. Isolating active medicinal principals from botanical drugs and herbs; and
  4. Manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

### **32541 PHARMACEUTICAL AND MEDICINE MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing biological and medicinal products;
2. processing (i.e., grading, grinding, and milling) botanical drugs and herbs;
3. isolating active medicinal principals from botanical drugs and herbs; and
4. manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

### **325411 MEDICINAL AND BOTANICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. manufacturing uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or
2. grading, grinding, and milling uncompounded botanicals.

### **325412 PHARMACEUTICAL PREPARATION MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing in-vivo diagnostic substances and pharmaceutical preparations (except biological) intended for internal and external consumption in dose forms, such as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

### **325413 IN-VITRO DIAGNOSTIC SUBSTANCE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing in-vitro (i.e., not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances. The substances are used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices.

### **325414 BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing vaccines, toxoids, blood fractions, and culture media of plant or animal origin (except diagnostic).

### **3255 PAINT, COATING, AND ADHESIVE MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Paint and coating manufacturing and/or
2. Adhesive manufacturing.

### **32551 PAINT AND COATING MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or

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2. manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

### **325510 PAINT AND COATING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry and/or
2. manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

### **32552 ADHESIVE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

### **325520 ADHESIVE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

### **3256 SOAP, CLEANING COMPOUND, AND TOILET PREPARATION MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Soap and cleaning compound manufacturing and/or
2. Toilet preparation manufacturing.

### **32561 SOAP AND CLEANING COMPOUND MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and textile and leather finishing agents used to reduce tension or speed the drying process.

### **325611 SOAP AND OTHER DETERGENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging soaps and other detergents, such as laundry detergents; dishwashing detergents; toothpaste gels and tooth powders; and natural glycerin.

### **325612 POLISH AND OTHER SANITATION GOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging polishes and specialty cleaning preparations.

### **325613 SURFACE ACTIVE AGENT MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in one or more of the following:

1. manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or
2. manufacturing textiles and leather finishing agents used to reduce tension or speed the drying process.

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### **32562 TOILET PREPARATION MANUFACTURING**

This industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

### **325620 TOILET PREPARATION MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

### **3259 OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

### **32591 PRINTING INK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

### **325910 PRINTING INK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

### **32592 EXPLOSIVES MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing explosives.

### **325920 EXPLOSIVES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing explosives.

### **32599 ALL OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, and synthetic rubber; cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; and soaps, cleaning compounds, and toilet preparations; printing inks; and explosives).

### **325991 CUSTOM COMPOUNDING OF PURCHASED RESINS**

This U.S. industry group comprises establishments primarily engaged in one or more of the following:

1. custom mixing and blending plastics resins made elsewhere or
2. reformulating plastics resins from recycled plastics products.

### **325992 PHOTOGRAPHIC FILM, PAPER, PLATE, AND CHEMICAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing sensitized film, sensitized paper, sensitized cloth, sensitized plates, toners (i.e., for photocopiers, laser printers, and similar electrostatic printing devices), toner cartridges, and photographic chemicals.

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## **325998 ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, synthetic rubber; cellulosic and noncellulosic fiber and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings and adhesives; soap, cleaning compounds, and toilet preparations; printing inks; explosives; custom compounding of purchased resins; and photographic films, papers, plates, and chemicals).

## **326 PLASTICS AND RUBBER PRODUCTS MANUFACTURING**

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In NAICS, such activities (the footwear and furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hoses and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

## **3261 PLASTICS PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in processing new or spent (i.e., recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

### **32611 PLASTICS PACKAGING MATERIALS AND UNLAMINATED FILM AND SHEET MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. converting plastics resins into unsupported plastics film and sheet and/or
2. forming, coating or laminating plastics film and sheet into plastics bags.

### **326111 PLASTICS BAG MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in one of the following:

1. converting plastics resins into plastics bags or

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2. forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags.

Establishments in this industry may print on the bags they manufacture.

### **326112 PLASTICS PACKAGING FILM AND SHEET (INCLUDING LAMINATED) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics packaging (flexible) film and packaging sheet.

### **326113 UNLAMINATED PLASTICS FILM AND SHEET (EXCEPT PACKAGING) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics film and un laminated sheet (except packaging).

### **32612 PLASTICS PIPE, PIPE FITTING, AND UNLAMINATED PROFILE SHAPE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing plastics pipes and pipe fittings, and plastics profile shapes such as rod, tube, and sausage casings.

### **326121 UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting plastics resins into nonrigid plastics profile shapes (except film, sheet, and bags), such as rod, tube, and sausage casings.

### **326122 PLASTICS PIPE AND PIPE FITTING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in converting plastics resins into rigid plastics pipes and pipe fittings.

### **32613 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING**

This industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

### **326130 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

### **32614 POLYSTYRENE FOAM PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

### **326140 POLYSTYRENE FOAM PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

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### **32615 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

### **326150 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

### **32616 PLASTICS BOTTLE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing plastics bottles.

### **326160 PLASTICS BOTTLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing plastics bottles.

### **32619 OTHER PLASTICS PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing resilient floor covering and other plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, and bottles).

### **326191 PLASTICS PLUMBING FIXTURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

### **326192 RESILIENT FLOOR COVERING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

### **326199 ALL OTHER PLASTICS PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, plumbing fixtures, and resilient floor coverings).

### **3262 RUBBER PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in processing natural, and synthetic or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

### **32621 TIRE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber and retreading or rebuilding tires.

### **326211 TIRE MANUFACTURING (EXCEPT RETREADING)**

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

### **326212 TIRE RETREADING**

This U.S. industry comprises establishments primarily engaged in retreading or rebuilding tires.



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### **32622 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

### **326220 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

### **32629 OTHER RUBBER PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing rubber products (except tires, hoses, and belting) from natural and synthetic rubber.

### **326291 RUBBER PRODUCT MANUFACTURING FOR MECHANICAL USE**

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

### **326299 ALL OTHER RUBBER PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

### **327 NONMETALLIC MINERAL PRODUCT MANUFACTURING**

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications. The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily beneficiate mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

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## **3271 CLAY PRODUCT AND REFRACTORY MANUFACTURING**

This industry group comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials and/or shaping, molding, baking, burning, or hardening clay refractories, non-clay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

### **32711 POTTERY, CERAMICS, AND PLUMBING FIXTURE MANUFACTURING**

This industry comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials.

#### **327111 VITREOUS CHINA PLUMBING FIXTURE AND CHINA AND EARTHENWARE BATHROOM ACCESSORIES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

#### **327112 VITREOUS CHINA, FINE EARTHENWARE, AND OTHER POTTERY PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

#### **327113 PORCELAIN ELECTRICAL SUPPLY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

### **32712 CLAY BUILDING MATERIAL AND REFRACTORIES MANUFACTURING**

This industry comprises establishments primarily engaged in shaping, molding, baking, burning, or hardening clay refractories, nonclay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

#### **327121 BRICK AND STRUCTURAL CLAY TILE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

#### **327122 CERAMIC WALL AND FLOOR TILE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

#### **327123 OTHER STRUCTURAL CLAY PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

#### **327124 CLAY REFRACTORY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

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### **327125 NONCLAY REFRACTORY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

### **3272 GLASS AND GLASS PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

### **32721 GLASS AND GLASS PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

### **327211 FLAT GLASS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing flat glass by melting silica sand or cullet; or
2. manufacturing both flat glass and laminated glass by melting silica sand or cullet.

### **327212 OTHER PRESSED AND BLOWN GLASS AND GLASSWARE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

### **327213 GLASS CONTAINER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

### **327215 GLASS PRODUCT MANUFACTURING MADE OF PURCHASED GLASS**

This U.S. industry comprises establishments primarily engaged in coating, laminating, tempering, or shaping purchased glass.

### **3273 CEMENT AND CONCRETE PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Cement manufacturing;
2. Ready-mix concrete manufacturing;
3. Concrete pipe, brick, and block manufacturing; and/or
4. Other concrete product manufacturing.

### **32731 CEMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

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### **327310 CEMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

### **32732 READY-MIX CONCRETE MANUFACTURING**

This industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

### **327320 READY-MIX CONCRETE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing concrete delivered to a purchaser, such as batch plants or mix plants, in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

### **32733 CONCRETE PIPE, BRICK, AND BLOCK MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing concrete pipe, brick, and block.

### **327331 CONCRETE BLOCK AND BRICK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

### **327332 CONCRETE PIPE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

### **32739 OTHER CONCRETE PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

### **327390 OTHER CONCRETE PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

### **3274 LIME AND GYPSUM PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells and/or gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work.

### **32741 LIME MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

### **327410 LIME MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

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### **32742 GYPSUM PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

### **327420 GYPSUM PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

### **3279 OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except clay products, refractory products, glass products, cement and concrete products, lime, and gypsum products).

### **32791 ABRASIVE PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

### **327910 ABRASIVE PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

### **32799 ALL OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; and abrasive products).

### **327991 CUT STONE AND STONE PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

### **327992 GROUND OR TREATED MINERAL AND EARTH MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

### **327993 MINERAL WOOL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

### **327999 ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

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### **331 PRIMARY METAL MANUFACTURING**

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and superalloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

Primary manufacturing of ferrous and nonferrous metals begins with ore or concentrate as the primary input. Establishments manufacturing primary metals from ore and/or concentrate remain classified in the primary smelting, primary refining, or iron and steel mill industries regardless of the form of their output. Establishments primarily engaged in secondary smelting and/or secondary refining recover ferrous and nonferrous metals from scrap and/or dross. The output of the secondary smelting and/or secondary refining industries is limited to shapes, such as ingot or billet, that will be further processed. Recovery of metals from scrap often occurs in establishments that are primarily engaged in activities, such as rolling, drawing, extruding, or similar processes.

Excluded from the Primary Metal Manufacturing subsector are establishments primarily engaged in manufacturing ferrous and nonferrous forgings (except ferrous forgings made in steel mills) and stampings. Although forging, stamping, and casting are all methods used to make metal shapes, forging and stamping do not use molten metals and are included in Subsector 332, Fabricated Metal Product Manufacturing. Establishments primarily engaged in operating coke ovens are classified in Industry 32419, Other Petroleum and Coal Products Manufacturing.

#### **3311 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Direct reduction of iron ore;
2. Manufacturing pig iron in molten or solid form;
3. Converting pig iron into steel;
4. Manufacturing ferroalloys;
5. Making steel;
6. Making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. Making steel and forming pipe and tube.

#### **33111 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. direct reduction of iron ore;
2. manufacturing pig iron in molten or solid form;
3. converting pig iron into steel;
4. manufacturing ferroalloys;
5. making steel;
6. making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. making steel and forming pipe and tube.

#### **331111 IRON AND STEEL MILLS**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. direct reduction of iron ore;

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2. manufacturing pig iron in molten or solid form;
  3. converting pig iron into steel;
  4. making steel;
  5. making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and
  6. making steel and forming tube and pipe.

### **331112 ELECTROMETALLURGICAL FERROALLOY PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electrometallurgical ferroalloys. Ferroalloys add critical elements, such as silicon and manganese for carbon steel and chromium, vanadium, tungsten, titanium, and molybdenum for low- and high-alloy metals. Ferroalloys include iron-rich alloys and more pure forms of elements added during the steel manufacturing process that alter or improve the characteristics of the metal being made.

### **3312 STEEL PRODUCT MANUFACTURING FROM PURCHASED STEEL**

This industry group comprises establishments primarily engaged in manufacturing iron and steel tube and pipe; drawing steel wire; and rolling or drawing shapes from purchased iron or steel.

#### **33121 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL**

This industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

#### **331210 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL**

This U.S. industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

#### **33122 ROLLING AND DRAWING OF PURCHASED STEEL**

This industry comprises establishments primarily engaged in rolling and/or drawing steel shapes, such as plate, sheet, strip, rod, and bar, from purchased steel.

##### **331221 ROLLED STEEL SHAPE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in rolling or drawing shapes (except wire), such as plate, sheet, strip, rod, and bar, from purchased steel.

##### **331222 STEEL WIRE DRAWING**

This U.S. industry comprises establishments primarily engaged in drawing wire from purchased steel.

### **3313 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Refining alumina;
2. Making (i.e., the primary production) aluminum from alumina;
3. Recovering aluminum from scrap or dross;
4. Alloying purchased aluminum; and
5. Manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

#### **33131 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING**

This industry comprises establishments primarily engaged in one or more of the following:

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1. refining alumina;
  2. making (i.e., the primary production) aluminum from alumina;
  3. recovering aluminum from scrap or dross;
  4. alloying purchased aluminum; and
  5. manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

### **331311 ALUMINA REFINING**

This U.S. industry comprises establishments primarily engaged in refining alumina (i.e., aluminum oxide) generally from bauxite.

### **331312 PRIMARY ALUMINUM PRODUCTION**

This U.S. industry comprises establishments primarily engaged in:

1. making aluminum from alumina and/or
2. making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, and strip).

Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

### **331314 SECONDARY SMELTING AND ALLOYING OF ALUMINUM**

This U.S. industry comprises establishments primarily engaged in:

1. recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or
2. manufacturing alloys, powder, paste, or flake from purchased aluminum.

### **331315 ALUMINUM SHEET, PLATE, AND FOIL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. flat rolling or continuous casting sheet, plate, foil, and welded tube from purchased aluminum and/or
2. recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

### **331316 ALUMINUM EXTRUDED PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum and/or
2. recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

### **331319 OTHER ALUMINUM ROLLING AND DRAWING**

This U.S. industry comprises establishments primarily engaged in:

1. rolling, drawing, or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) from purchased aluminum and/or
2. recovering aluminum from scrap and rolling, drawing or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) in integrated mills.



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### **3314 NONFERROUS METAL (EXCEPT ALUMINUM) PRODUCTION AND PROCESSING**

This industry group comprises establishments primarily engaged in one of the following:

1. Nonferrous metal (except aluminum) smelting and refining;
2. Copper rolling, drawing, extruding, and alloying; and/or
3. Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying.

#### **33141 NONFERROUS METAL (EXCEPT ALUMINUM) SMELTING AND REFINING**

This industry comprises establishments primarily engaged in:

1. smelting ores into nonferrous metals and/or
2. the primary refining of nonferrous metals (except aluminum) using electrolytic or other processes.

##### **331411 PRIMARY SMELTING AND REFINING OF COPPER**

This U.S. industry comprises establishments primarily engaged in one of the following:

1. smelting copper ore and/or
2. the primary refining of copper by electrolytic methods or other processes.

Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

##### **331419 PRIMARY SMELTING AND REFINING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)**

This U.S. industry comprises establishments primarily engaged in:

1. making (primary production) nonferrous metals by smelting ore and/or
2. the primary refining of nonferrous metals by electrolytic methods or other processes.

#### **33142 COPPER ROLLING, DRAWING, EXTRUDING, AND ALLOYING**

This industry comprises establishments primarily engaged in one or more of the following:

1. recovering copper or copper alloys from scraps;
2. alloying purchased copper;
3. rolling, drawing, or extruding shapes, (e.g., bar, plate, sheet, strip, tube, wire) from purchased copper; and
4. recovering copper or copper alloys from scrap and rolling drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube, wire).

##### **331421 COPPER ROLLING, DRAWING, AND EXTRUDING**

This U.S. industry comprises establishments primarily engaged in:

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire)) from purchased copper and/or
2. recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire) in integrated mills.

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### **331422 COPPER WIRE (EXCEPT MECHANICAL) DRAWING**

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

### **331423 SECONDARY SMELTING, REFINING, AND ALLOYING OF COPPER**

This U.S. industry comprises establishments primarily engaged in:

1. recovering copper and copper alloys from scrap and/or
2. alloying purchased copper.

Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

### **33149 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, EXTRUDING, AND ALLOYING**

This industry comprises establishments primarily engaged in one or more of the following:

1. recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap;
2. alloying purchased nonferrous metals (except copper and aluminum);
3. rolling, drawing, and extruding shapes from purchased nonferrous metals (except copper and aluminum); and
4. recovering nonferrous metals from scrap (except copper and aluminum) and rolling, drawing, or extruding shapes in integrated facilities.

### **331491 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, AND EXTRUDING**

This U.S. industry comprises establishments primarily engaged in:

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) from purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) in integrated mills.

### **331492 SECONDARY SMELTING, REFINING, AND ALLOYING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)**

This U.S. industry comprises establishments primarily engaged in:

1. alloying purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap.

Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, and wire) using smelting or refining processes.

### **3315 FOUNDRIES**

This industry group comprises establishments primarily engaged in pouring molten metal into molds or dies to form castings. Establishments making castings and further manufacturing, such as machining or assembling, a specific manufactured product are classified in the industry of the finished product. Foundries may perform operations, such as cleaning and deburring, on the castings they manufacture. More involved processes, such as tapping, threading, milling, or machining to tight tolerances, that transform castings into more finished products are classified elsewhere in the manufacturing sector based on the product being made.

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Establishments in this industry group make castings from purchased metals or in integrated secondary smelting and casting facilities. When the production of primary metals is combined with making castings, the establishment is classified in 331 with the primary metal being made.

### **33151 FERROUS METAL FOUNDRIES**

This industry comprises establishments primarily engaged in pouring molten iron and steel into molds of a desired shape to make castings. Establishments in this industry purchase iron and steel made in other establishments.

#### **331511 IRON FOUNDRIES**

This U.S. industry comprises establishments primarily engaged in pouring molten pig iron or iron alloys into molds to manufacture castings (e.g., cast iron manhole covers, cast iron pipe, cast iron skillets). Establishments in this industry purchase iron made in other establishments.

#### **331512 STEEL INVESTMENT FOUNDRIES**

This U.S. industry comprises establishments primarily engaged in manufacturing steel investment castings. Investment molds are formed by covering a wax shape with a refractory slurry. After the refractory slurry hardens, the wax is melted, leaving a seamless mold. Investment molds provide highly detailed, consistent castings. Establishments in this industry purchase steel made in other establishments.

#### **331513 STEEL FOUNDRIES (EXCEPT INVESTMENT)**

This U.S. industry comprises establishments primarily engaged in manufacturing steel castings (except steel investment castings). Establishments in this industry purchase steel made in other establishments.

### **33152 NONFERROUS METAL FOUNDRIES**

This industry comprises establishments primarily engaged in pouring and/or introducing molten nonferrous metal, under high pressure, into metal molds or dies to manufacture castings. Establishments in this industry purchase nonferrous metals made in other establishments.

#### **331521 ALUMINUM DIE-CASTING FOUNDRIES**

This U.S. industry comprises establishments primarily engaged in introducing molten aluminum, under high pressure, into molds or dies to make aluminum die-castings. Establishments in this industry purchase aluminum made in other establishments.

#### **331522 NONFERROUS (EXCEPT ALUMINUM) DIE-CASTING FOUNDRIES**

This U.S. industry comprises establishments primarily engaged in introducing molten nonferrous metal (except aluminum), under high pressure, into molds to make nonferrous metal die-castings. Establishments in this industry purchase nonferrous metals made in other establishments.

#### **331524 ALUMINUM FOUNDRIES (EXCEPT DIE-CASTING)**

This U.S. industry comprises establishments primarily engaged in pouring molten aluminum into molds to manufacture aluminum castings. Establishments in this industry purchase aluminum made in other establishments.

#### **331525 COPPER FOUNDRIES (EXCEPT DIE-CASTING)**

This U.S. industry comprises establishments primarily engaged in pouring molten copper into molds to manufacture copper castings. Establishments in this industry purchase copper made in other establishments.

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### **331528 OTHER NONFERROUS FOUNDRIES (EXCEPT DIE-CASTING)**

This U.S. industry comprises establishments primarily engaged in pouring molten nonferrous metals (except aluminum and copper) into molds to manufacture nonferrous castings (except aluminum die-castings, nonferrous (except aluminum) die-castings, aluminum castings, and copper castings). Establishments in this industry purchase nonferrous metals, such as nickel, lead, and zinc, made in other establishments.

### **332 FABRICATED METAL PRODUCT MANUFACTURING**

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The NAICS structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

### **3321 FORGING AND STAMPING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing forgings from purchased metals;
2. Manufacturing metal custom roll forming products;
3. Manufacturing metal stamped and spun products (except automotive, cans, and coins); and
4. Manufacturing powder metallurgy products.

Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining and assembling) a specific manufactured product are classified in the industry of the finished product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

### **33211 FORGING AND STAMPING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing forgings from purchased metals;
2. manufacturing metal custom roll forming products;
3. manufacturing metal stamped and spun products (except automotive, cans, and coins); and
4. manufacturing powder metallurgy products.

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Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining and assembling) a specific manufactured product are classified in the industry of the finished product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

### **332111 IRON AND STEEL FORGING**

This U.S. industry comprises establishments primarily engaged in manufacturing iron and steel forgings from purchased iron and steel by hammering mill shapes. Establishments making iron and steel forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Iron and steel forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

### **332112 NONFERROUS FORGING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonferrous forgings from purchased nonferrous metals by hammering mill shapes. Establishments making nonferrous forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Nonferrous forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

### **332114 CUSTOM ROLL FORMING**

This U.S. industry comprises establishments primarily engaged in custom roll forming metal products by use of rotary motion of rolls with various contours to bend or shape the products.

### **332115 CROWN AND CLOSURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in stamping metal crowns and closures, such as bottle caps and home canning lids and rings.

### **332116 METAL STAMPING**

This U.S. industry comprises establishments primarily engaged in manufacturing unfinished metal stampings and spinning unfinished metal products (except crowns, cans, closures, automotive, and coins). Establishments making metal stampings and metal spun products and further manufacturing (e.g., machining, assembling) a specific product are classified in the industry of the finished product. Metal stamping and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

### **332117 POWDER METALLURGY PART MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing powder metallurgy products by compacting them in a shaped die and sintering. Establishments in this industry generally make a wide range of parts on a job or order basis.

### **3322 CUTLERY AND HANDTOOL MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing nonprecious and precious plated metal cutlery and flatware;
2. Manufacturing nonpowered hand and edge tools;
3. Manufacturing nonpowered handsaws;
4. Manufacturing saw blades, all types (including those for sawing machines); and

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5. Manufacturing metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

### **33221 CUTLERY AND HANDTOOL MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing nonprecious and precious plated metal cutlery and flatware;
2. manufacturing nonpowered hand and edge tools;
3. manufacturing nonpowered handsaws;
4. manufacturing saw blades, all types (including those for sawing machines); and
5. manufacturing metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

### **332211 CUTLERY AND FLATWARE (EXCEPT PRECIOUS) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

### **332212 HAND AND EDGE TOOL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

### **332213 SAW BLADE AND HANDSAW MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing nonpowered handsaws and/or
2. manufacturing saw blades, all types (including those for power sawing machines).

### **332214 KITCHEN UTENSIL, POT, AND PAN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

### **3323 ARCHITECTURAL AND STRUCTURAL METALS MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing one or more of the following:

1. Plate work and fabricated structural product manufacturing and
2. Ornamental and architectural metal products manufacturing.

### **33231 PLATE WORK AND FABRICATED STRUCTURAL PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing one or more of the following:

1. prefabricated metal buildings, panels and sections;
2. structural metal products; and
3. metal plate work products.

### **332311 PREFABRICATED METAL BUILDING AND COMPONENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated metal buildings, panels, and sections.

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### **332312 FABRICATED STRUCTURAL METAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

### **332313 PLATE WORK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

### **33232 ORNAMENTAL AND ARCHITECTURAL METAL PRODUCTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing one or more of the following:

1. metal framed windows (i.e., typically using purchased glass) and metal doors;
2. sheet metal work; and
3. ornamental and architectural metal products.

### **332321 METAL WINDOW AND DOOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (typically using purchased glass) and metal doors. Examples of products made by these establishments are: metal door frames; metal framed window and door screens; and metal molding and trim (except automotive).

### **332322 SHEET METAL WORK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

### **332323 ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

### **3324 BOILER, TANK, AND SHIPPING CONTAINER MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Power boiler and heat exchanger manufacturing;
2. Metal tank (heavy gauge) manufacturing; and
3. Metal can, box, and other metal container (light gauge) manufacturing.

### **33241 POWER BOILER AND HEAT EXCHANGER MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

### **332410 POWER BOILER AND HEAT EXCHANGER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

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### **33242 METAL TANK (HEAVY GAUGE) MANUFACTURING**

This industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

### **332420 METAL TANK (HEAVY GAUGE) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

### **33243 METAL CAN, BOX, AND OTHER METAL CONTAINER (LIGHT GAUGE) MANUFACTURING**

This industry comprises establishments primarily engaged in forming light gauge metal containers.

### **332431 METAL CAN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

### **332439 OTHER METAL CONTAINER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

### **3325 HARDWARE MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

### **33251 HARDWARE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

### **332510 HARDWARE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated and time locks).

### **3326 SPRING AND WIRE PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in:

1. Manufacturing steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. Manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

### **33261 SPRING AND WIRE PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in:

1. manufacturing steel springs by forming, such as cutting, bending, and heat winding, metal rod or strip stock, and/or
2. manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).



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### **332611 SPRING (HEAVY GAUGE) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding, rod or strip stock.

### **332612 SPRING (LIGHT GAUGE) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

### **332618 OTHER FABRICATED WIRE PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

### **3327 MACHINE SHOPS; TURNED PRODUCT; AND SCREW, NUT, AND BOLT MANUFACTURING**

This industry group comprises establishments primarily engaged in:

1. Machine shops and/or
2. Turned product and screw, nut, and bolt manufacturing.

#### **33271 MACHINE SHOPS**

This industry comprises establishments primarily engaged in machining metal parts on a job or order basis (known as machine shops). Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

##### **332710 MACHINE SHOPS**

This U.S. industry comprises establishments primarily engaged in machining metal parts on a job or order basis (known as machine shops). Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

##### **33272 TURNED PRODUCT AND SCREW, NUT, AND BOLT MANUFACTURING**

This industry comprises establishments primarily engaged in:

1. machining precision turned products or
2. manufacturing metal bolts, nuts, screws, rivets, and other industrial fasteners.

Included in this industry are establishments primarily engaged in manufacturing parts for machinery and equipment on a customized basis.

##### **332721 PRECISION TURNED PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in machining precision products of all materials on a job or order basis (known as precision turned manufacturers). Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

##### **332722 BOLT, NUT, SCREW, RIVET, AND WASHER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

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### **3328 COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Heat treating metals and metal products;
2. Enameling, lacquering, and varnishing metals and metal products;
3. Hot dip galvanizing metals and metal products;
4. Engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
5. Powder coating metals and metal products;
6. Electroplating, plating, anodizing, coloring, and finishing metals and metal products; and
7. Providing other metal surfacing services for the trade.

Included in this industry are establishments that coat engravings and heat treat metals and metal formed products fabricated elsewhere.

### **33281 COATING, ENGRAVING, HEAT TREATING, AND ALLIED ACTIVITIES**

This industry comprises establishments primarily engaged in one or more of the following:

1. heat treating metals and metal products;
2. enameling, lacquering, and varnishing metals and metal products;
3. hot dip galvanizing metals and metal products;
4. engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
5. powder coating metals and metal products;
6. electroplating, plating, anodizing, coloring, and finishing metals and metal products; and
7. providing other metal surfacing services for the trade.

Included in this industry are establishments that coat engravings and heat treat metals and metal formed products fabricated elsewhere.

### **332811 METAL HEAT TREATING**

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing metals and metal products for the trade.

### **332812 METAL COATING, ENGRAVING (EXCEPT JEWELRY AND SILVERWARE), AND ALLIED SERVICES TO MANUFACTURERS**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. enameling, lacquering, and varnishing metals and metal products;
2. hot dip galvanizing metals and metal products;
3. engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates);
4. powder coating metals and metal products; and
5. providing other metal surfacing services for the trade.

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### **332813 ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING**

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

### **3329 OTHER FABRICATED METAL PRODUCT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, and nuts and bolts).

### **33291 METAL VALVE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing one or more of the following metal valves:

1. industrial valves;
2. fluid power valves and hose fittings;
3. plumbing fixture fittings and trim; and
4. other metal valves and pipe fittings.

### **332911 INDUSTRIAL VALVE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

### **332912 FLUID POWER VALVE AND HOSE FITTING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

### **332913 PLUMBING FIXTURE FITTING AND TRIM MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

### **332919 OTHER METAL VALVE AND PIPE FITTING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

### **33299 ALL OTHER FABRICATED METAL PRODUCT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metal products, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, and metal valves).

### **332991 BALL AND ROLLER BEARING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

### **332992 SMALL ARMS AMMUNITION MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

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### **332993 AMMUNITION (EXCEPT SMALL ARMS) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

### **332994 SMALL ARMS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

### **332995 OTHER ORDNANCE AND ACCESSORIES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

### **332996 FABRICATED PIPE AND PIPE FITTING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in fabricating, such as cutting, threading, and bending metal pipes and pipe fittings made from purchased metal pipe.

### **332997 INDUSTRIAL PATTERN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

### **332998 ENAMELED IRON AND METAL SANITARY WARE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

### **332999 ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

## **333 MACHINERY MANUFACTURING**

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing NAICS. The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general purpose machinery) and machinery that is designed to be used in a particular industry (i.e., special purpose machinery). Three industry groups consist of special purpose machinery--Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery

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Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General Purpose Machinery Manufacturing.

### **3331 AGRICULTURE, CONSTRUCTION, AND MINING MACHINERY MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Agricultural implement manufacturing;
2. Construction machinery manufacturing; and
3. Mining and oil and gas field machinery manufacturing.

#### **33311 AGRICULTURAL IMPLEMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing farm machinery and equipment, powered mowing equipment, and other powered home lawn and garden equipment.

##### **333111 FARM MACHINERY AND EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

##### **333112 LAWN AND GARDEN TRACTOR AND HOME LAWN AND GARDEN EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

#### **33312 CONSTRUCTION MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

##### **333120 CONSTRUCTION MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

#### **33313 MINING AND OIL AND GAS FIELD MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing oil and gas field and underground mining machinery and equipment.

##### **333131 MINING MACHINERY AND EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, and rock drills and
2. manufacturing mineral beneficiating machinery and equipment used in surface or underground mines.

##### **333132 OIL AND GAS FIELD MACHINERY AND EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

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1. manufacturing oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks; and
  2. manufacturing water well drilling machinery.

### **3332 INDUSTRIAL MACHINERY MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Sawmill and woodworking machinery manufacturing;
2. Plastics and rubber industry machinery manufacturing; and
3. Other industrial machinery manufacturing.

#### **33321 SAWMILL AND WOODWORKING MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing sawmill and wood-working machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

##### **333210 SAWMILL AND WOODWORKING MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

#### **33322 PLASTICS AND RUBBER INDUSTRY MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

##### **333220 PLASTICS AND RUBBER INDUSTRY MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

#### **33329 OTHER INDUSTRIAL MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction, mining, sawmill and woodworking, and plastics and rubber products making machinery).

##### **333291 PAPER INDUSTRY MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

##### **333292 TEXTILE MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

##### **333293 PRINTING MACHINERY AND EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, typesetting machinery, and bindery machinery.

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### **333294 FOOD PRODUCT MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, and ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, and pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

### **333295 SEMICONDUCTOR MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

### **333298 ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

### **3333 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and dry-cleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

### **33331 COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and dry-cleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

### **333311 AUTOMATIC VENDING MACHINE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing coin, token, currency, or magnetic card operated vending machines; and/or
2. manufacturing coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

### **333312 COMMERCIAL LAUNDRY, DRYCLEANING, AND PRESSING MACHINE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

### **333313 OFFICE MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mailhandling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

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### **333314 OPTICAL INSTRUMENT AND LENS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing optical instruments and lens, such as binoculars, microscopes (except electron and proton), telescopes, prisms, and lenses (except ophthalmic);
2. coating or polishing lenses (except ophthalmic); and
3. mounting lenses (except ophthalmic).

### **333315 PHOTOGRAPHIC AND PHOTOCOPYING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, and digital), projectors, film developing equipment, photocopying equipment, and microfilm equipment.

### **333319 OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

### **3334 VENTILATION, HEATING, AIR-CONDITIONING, AND COMMERCIAL REFRIGERATION EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing ventilation, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

### **33341 VENTILATION, HEATING, AIR-CONDITIONING, AND COMMERCIAL REFRIGERATION EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing ventilation, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

### **333411 AIR PURIFICATION EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

### **333412 INDUSTRIAL AND COMMERCIAL FAN AND BLOWER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

### **333414 HEATING EQUIPMENT (EXCEPT WARM AIR FURNACES) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

### **333415 AIR-CONDITIONING AND WARM AIR HEATING EQUIPMENT AND COMMERCIAL AND INDUSTRIAL REFRIGERATION EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or
2. manufacturing commercial and industrial refrigeration and freezer equipment.



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### **3335 METALWORKING MACHINERY MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

### **33351 METALWORKING MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

### **333511 INDUSTRIAL MOLD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

### **333512 MACHINE TOOL (METAL CUTTING TYPES) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

### **333513 MACHINE TOOL (METAL FORMING TYPES) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging, and die-casting machines.

### **333514 SPECIAL DIE AND TOOL, DIE SET, JIG, AND FIXTURE MANUFACTURING**

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

### **333515 CUTTING TOOL AND MACHINE TOOL ACCESSORY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

### **333516 ROLLING MILL MACHINERY AND EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

### **333518 OTHER METALWORKING MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

### **3336 ENGINE, TURBINE, AND POWER TRANSMISSION EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive, gasoline, and aircraft).

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### **33361 ENGINE, TURBINE, AND POWER TRANSMISSION EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive, gasoline, and aircraft).

#### **333611 TURBINE AND TURBINE GENERATOR SET UNITS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft) and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

#### **333612 SPEED CHANGER, INDUSTRIAL HIGH-SPEED DRIVE, AND GEAR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

#### **333613 MECHANICAL POWER TRANSMISSION EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

#### **333618 OTHER ENGINE EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

#### **3339 OTHER GENERAL PURPOSE MACHINERY MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Pump and compressor manufacturing;
2. Material handling equipment manufacturing; and
3. All other general purpose machinery manufacturing.

#### **33391 PUMP AND COMPRESSOR MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing pumps and compressors, such as general purpose air and gas compressors, nonagricultural spraying and dusting equipment, general purpose pumps and pumping equipment (except fluid power pumps and motors), and measuring and dispensing pumps.

##### **333911 PUMP AND PUMPING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps, and sump pumps.

##### **333912 AIR AND GAS COMPRESSOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

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### **333913 MEASURING AND DISPENSING PUMP MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

### **33392 MATERIAL HANDLING EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing material handling equipment, such as elevators and moving stairs; conveyors and conveying equipment; overhead traveling cranes, hoists, and monorail systems; and industrial trucks, tractors, trailers, and stacker machinery.

### **333921 ELEVATOR AND MOVING STAIRWAY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

### **333922 CONVEYOR AND CONVEYING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

### **333923 OVERHEAD TRAVELING CRANE, HOIST, AND MONORAIL SYSTEM MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

### **333924 INDUSTRIAL TRUCK, TRACTOR, TRAILER, AND STACKER MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type), such as forklifts, pallet loaders and unloaders, and portable loading docks.

### **33399 ALL OTHER GENERAL PURPOSE MACHINERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing general purpose machinery (except ventilation, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; and material handling equipment).

### **333991 POWER-DRIVEN HANDTOOL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, and pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

### **333992 WELDING AND SOLDERING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

### **333993 PACKAGING MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

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### **333994 INDUSTRIAL PROCESS FURNACE AND OVEN MANUFACTURING**

This U.S. Industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, and wood).

### **333995 FLUID POWER CYLINDER AND ACTUATOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

### **333996 FLUID POWER PUMP AND MOTOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

### **333997 SCALE AND BALANCE (EXCEPT LABORATORY) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

### **333999 ALL OTHER MISCELLANEOUS GENERAL PURPOSE MACHINERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing general purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

## **334 COMPUTER AND ELECTRONIC PRODUCT MANUFACTURING**

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of NAICS because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically-related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment, are brought together. As new activities emerge, they are less likely therefore, to cross the subsector boundaries of the classification.

### **3341 COMPUTER AND PERIPHERAL EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

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1. Store the processing program or programs and the data immediately necessary for the execution of the program;
  2. Can be freely programmed in accordance with the requirements of the user;
  3. Perform arithmetical computations specified by the user; and
  4. Execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

### **33411 COMPUTER AND PERIPHERAL EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

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3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

### **334111 ELECTRONIC COMPUTER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

1. store the processing program or programs and the data immediately necessary for the execution of the program;
2. can be freely programmed in accordance with the requirements of the user;
3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

### **334112 COMPUTER STORAGE DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

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### **334113 COMPUTER TERMINAL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

### **334119 OTHER COMPUTER PERIPHERAL EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

### **3342 COMMUNICATIONS EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Telephone apparatus manufacturing;
2. Radio and television broadcasting and wireless communications equipment manufacturing; and
3. Other communications equipment manufacturing.

### **33421 TELEPHONE APPARATUS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be standalone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, LAN modems, multi-user modems, and other data communications equipment, such as bridges, routers, and gateways.

### **334210 TELEPHONE APPARATUS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

### **33422 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

### **334220 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

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### **33429 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

### **334290 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

### **3343 AUDIO AND VIDEO EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

### **33431 AUDIO AND VIDEO EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

### **334310 AUDIO AND VIDEO EQUIPMENT MANUFACTURING**

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### **3344 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

### **33441 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

### **334411 ELECTRON TUBE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

### **334412 BARE PRINTED CIRCUIT BOARD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.



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### **334413 SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells and other optoelectronic devices.

### **334414 ELECTRONIC CAPACITOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

### **334415 ELECTRONIC RESISTOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

### **334416 ELECTRONIC COIL, TRANSFORMER, AND OTHER INDUCTOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

### **334417 ELECTRONIC CONNECTOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial; cylindrical; rack and panel; pin and sleeve; printed circuit; and fiber optic.

### **334418 PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

### **334419 OTHER ELECTRONIC COMPONENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers, and other inductors; connectors; and loaded printed circuit boards).

### **3345 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

### **33451 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.



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### **334510 ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

### **334511 SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

### **334512 AUTOMATIC ENVIRONMENTAL CONTROL MANUFACTURING FOR RESIDENTIAL, COMMERCIAL, AND APPLIANCE USE**

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration, and appliances.

### **334513 INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING, DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES**

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display, or control (i.e., monitor and analyze) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

### **334514 TOTALIZING FLUID METER AND COUNTING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

### **334515 INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS**

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

### **334516 ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

### **334517 IRRADIATION APPARATUS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, and research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

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### **334518 WATCH, CLOCK, AND PART MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling: clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

### **334519 OTHER MEASURING AND CONTROLLING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

### **3346 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA**

This industry group comprises establishments primarily engaged in:

1. Manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or
2. Mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

### **33461 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA**

This industry comprises establishments primarily engaged in:

1. manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or;
2. mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

### **334611 SOFTWARE REPRODUCING**

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software, they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

### **334612 PRERECORDED COMPACT DISC (EXCEPT SOFTWARE), TAPE, AND RECORD REPRODUCING**

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

### **334613 MAGNETIC AND OPTICAL RECORDING MEDIA MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

### **335 ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING**

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric Lighting Equipment Manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household

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Appliance Manufacturing establishments make both small and major electrical appliances and parts. Electrical Equipment Manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other Electrical Equipment and Component Manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

### **3351 ELECTRIC LIGHTING EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Electric lamp bulb and part manufacturing and/or
2. Lighting fixture manufacturing.

#### **33511 ELECTRIC LAMP BULB AND PART MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

##### **335110 ELECTRIC LAMP BULB AND PART MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

#### **33512 LIGHTING FIXTURE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics), and lighting fixture components (except current-carrying wiring devices).

##### **335121 RESIDENTIAL ELECTRIC LIGHTING FIXTURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

##### **335122 COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL ELECTRIC LIGHTING FIXTURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

##### **335129 OTHER LIGHTING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular) and nonelectric lighting equipment.

### **3352 HOUSEHOLD APPLIANCE MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Small electrical appliance manufacturing and/or
2. Major appliance manufacturing.

#### **33521 SMALL ELECTRICAL APPLIANCE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

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### **335211 ELECTRIC HOUSEWARES AND HOUSEHOLD FAN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

### **335212 HOUSEHOLD VACUUM CLEANER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

### **33522 MAJOR APPLIANCE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

### **335221 HOUSEHOLD COOKING APPLIANCE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

### **335222 HOUSEHOLD REFRIGERATOR AND HOME FREEZER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

### **335224 HOUSEHOLD LAUNDRY EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

### **335228 OTHER MAJOR HOUSEHOLD APPLIANCE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electric and non-electric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

### **3353 ELECTRICAL EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

### **33531 ELECTRICAL EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

### **335311 POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

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### **335312 MOTOR AND GENERATOR MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

### **335313 SWITCHGEAR AND SWITCHBOARD APPARATUS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

### **335314 RELAY AND INDUSTRIAL CONTROL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

### **3359 OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

### **33591 BATTERY MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

### **335911 STORAGE BATTERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

### **335912 PRIMARY BATTERY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

### **33592 COMMUNICATION AND ENERGY WIRE AND CABLE MANUFACTURING**

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

### **335921 FIBER OPTIC CABLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

### **335929 OTHER COMMUNICATION AND ENERGY WIRE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

### **33593 WIRING DEVICE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

### **335931 CURRENT-CARRYING WIRING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

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### **335932 NONCURRENT-CARRYING WIRING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

### **33599 ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

### **335991 CARBON AND GRAPHITE PRODUCT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

### **335999 ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

### **336 TRANSPORTATION EQUIPMENT MANUFACTURING**

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

### **3361 MOTOR VEHICLE MANUFACTURING**

This industry group comprises establishments primarily engaged in:

1. Automobile and light duty motor vehicle manufacturing and/or
2. Heavy duty truck manufacturing.

### **33611 AUTOMOBILE AND LIGHT DUTY MOTOR VEHICLE MANUFACTURING**

This industry comprises establishments primarily engaged in:

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1. manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or
  2. manufacturing chassis only.

### **336111 AUTOMOBILE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing complete automobiles (i.e., body and chassis or unibody) or
2. manufacturing automobile chassis only.

### **336112 LIGHT TRUCK AND UTILITY VEHICLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or
2. manufacturing light truck and utility vehicle chassis only.

Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

### **33612 HEAVY DUTY TRUCK MANUFACTURING**

This industry comprises establishments primarily engaged in:

1. manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. manufacturing heavy duty truck chassis only.

### **336120 HEAVY DUTY TRUCK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. manufacturing heavy duty truck chassis only.

### **3362 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING**

This industry group comprises establishments primarily engaged in:

1. Manufacturing motor vehicle bodies and cabs or
2. Manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

### **33621 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING**

This industry comprises establishments primarily engaged in:

1. manufacturing motor vehicle bodies and cabs or
2. manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

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The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

### **336211 MOTOR VEHICLE BODY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

### **336212 TRUCK TRAILER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

### **336213 MOTOR HOME MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in:

1. manufacturing motor homes on purchased chassis and/or
2. manufacturing conversion vans on an assembly line basis.

Motor homes are units where the motor and the living quarters are integrated in the same unit.

### **336214 TRAVEL TRAILER AND CAMPER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing travel trailers and campers designed to attach to motor vehicles;
2. manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and
3. manufacturing automobile, utility, and light-truck trailers.

Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

### **3363 MOTOR VEHICLE PARTS MANUFACTURING**

This industry group comprises establishments primarily engaged in:

1. Motor vehicle gasoline engine and engine parts manufacturing;
2. Motor vehicle electrical and electronic equipment manufacturing;
3. Motor vehicle steering and suspension components (except spring) manufacturing;
4. Motor vehicle brake system manufacturing;
5. Motor vehicle transmission and power train parts manufacturing;
6. Motor vehicle seating and interior trim manufacturing;
7. Motor vehicle metal stamping; and/or
8. Other motor vehicle parts manufacturing.

### **33631 MOTOR VEHICLE GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines, and engine parts, whether or not for vehicular use.



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### **336311 CARBURETOR, PISTON, PISTON RING, AND VALVE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

### **336312 GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

### **33632 MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in:

1. manufacturing vehicular lighting and/or
2. manufacturing and/or rebuilding motor vehicle electrical and electronic equipment.

The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, and ships).

### **336321 VEHICULAR LIGHTING EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

### **336322 OTHER MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

### **33633 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

### **336330 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

### **33634 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

### **336340 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

### **33635 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

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### **336350 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

### **33636 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

### **336360 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

### **33637 MOTOR VEHICLE METAL STAMPING**

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

### **336370 MOTOR VEHICLE METAL STAMPING**

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

### **33639 OTHER MOTOR VEHICLE PARTS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

### **336391 MOTOR VEHICLE AIR-CONDITIONING MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

### **336399 ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

### **3364 AEROSPACE PRODUCT AND PARTS MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing complete aircraft, missiles, or space vehicles;
2. Manufacturing aerospace engines, propulsion units, auxiliary equipment or parts;
3. Developing and making prototypes of aerospace products;
4. Aircraft conversion (i.e., major modifications to systems); and
5. Complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

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### **33641 AEROSPACE PRODUCT AND PARTS MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing complete aircraft, missiles, or space vehicles;
2. manufacturing aerospace engines, propulsion units, auxiliary equipment or parts;
3. developing and making prototypes of aerospace products;
4. aircraft conversion (i.e., major modifications to systems); and
5. complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

### **336411 AIRCRAFT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing or assembling complete aircraft;
2. developing and making aircraft prototypes;
3. aircraft conversion (i.e., major modifications to systems); and
4. complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

### **336412 AIRCRAFT ENGINE AND ENGINE PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing aircraft engines and engine parts;
2. developing and making prototypes of aircraft engines and engine parts;
3. aircraft propulsion system conversion (i.e., major modifications to systems); and
4. aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

### **336413 OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or
2. developing and making prototypes of aircraft parts and auxiliary equipment.

Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

### **336414 GUIDED MISSILE AND SPACE VEHICLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing complete guided missiles and space vehicles and/or
2. developing and making prototypes of guided missile or space vehicles.

### **336415 GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNIT AND PROPULSION UNIT PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or

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2. developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

### **336419 OTHER GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in:

1. manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or
2. developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

### **3365 RAILROAD ROLLING STOCK MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. Manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. Manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

### **33651 RAILROAD ROLLING STOCK MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

### **336510 RAILROAD ROLLING STOCK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

### **3366 SHIP AND BOAT BUILDING**

This industry group comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

### **33661 SHIP AND BOAT BUILDING**

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for

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other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

### **336611 SHIP BUILDING AND REPAIRING**

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

### **336612 BOAT BUILDING**

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

### **3369 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

### **33699 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

### **336991 MOTORCYCLE, BICYCLE, AND PARTS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment, and parts.

### **336992 MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

### **336999 ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, and armored vehicles and tanks).

### **337 FURNITURE AND RELATED PRODUCT MANUFACTURING**

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for

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furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knockdown). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

### **3371 HOUSEHOLD AND INSTITUTIONAL FURNITURE AND KITCHEN CABINET MANUFACTURING**

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen and bedroom furniture and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

#### **33711 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

##### **337110 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

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### **33712 HOUSEHOLD AND INSTITUTIONAL FURNITURE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **337121 UPHOLSTERED HOUSEHOLD FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

#### **337122 NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **337124 METAL HOUSEHOLD FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **337125 HOUSEHOLD FURNITURE (EXCEPT WOOD AND METAL) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed, rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **337127 INSTITUTIONAL FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **337129 WOOD TELEVISION, RADIO, AND SEWING MACHINE CABINET MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

### **3372 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

#### **33721 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

##### **337211 WOOD OFFICE FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).



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### **337212 CUSTOM ARCHITECTURAL WOODWORK AND MILLWORK MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

### **337214 OFFICE FURNITURE (EXCEPT WOOD) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

### **337215 SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

### **337211 WOOD OFFICE FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

### **337214 OFFICE FURNITURE (EXCEPT WOOD) MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

### **3379 OTHER FURNITURE RELATED PRODUCT MANUFACTURING**

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

### **33791 MATTRESS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

### **337910 MATTRESS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

### **33792 BLIND AND SHADE MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

### **337920 BLIND AND SHADE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing one or more of the following:



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1. venetian blinds, other window blinds, shades;
  2. curtain and drapery rods, poles; and/or
  3. curtain and drapery fixtures.

The blinds and shades may be made on a stock or custom basis and may be made of any material.

### **339 MISCELLANEOUS MANUFACTURING**

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific NAICS subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

#### **3391 MEDICAL EQUIPMENT AND SUPPLIES MANUFACTURING**

This industry group comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

##### **33911 MEDICAL EQUIPMENT AND SUPPLIES MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

###### **339111 LABORATORY APPARATUS AND FURNITURE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

For this industry, the 1997 Economic Census did not fully implement the conversion to NAICS. The data from 1997 to 2001 for NAICS industry 339111 did not include establishments primarily engaged in the manufacture of hospital beds and other hospital furniture. These establishments are included in the 2002 Economic Census data.

###### **339112 SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electro-medical and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

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### **339113 SURGICAL APPLIANCE AND SUPPLIES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

### **339114 DENTAL EQUIPMENT AND SUPPLIES MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material and dental cements.

### **339115 OPHTHALMIC GOODS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, reading glasses made to standard powers, and protective eyewear.

### **339116 DENTAL LABORATORIES**

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

### **3399 OTHER MISCELLANEOUS MANUFACTURING**

This industry group comprises establishments primarily engaged in one or more of the following:

1. Jewelry and silverware manufacturing;
2. Sporting and athletic goods manufacturing;
3. Doll, toy, and game manufacturing;
4. Office supplies (except paper) manufacturing;
5. Sign manufacturing; and/or
6. All other miscellaneous manufacturing.

### **33991 JEWELRY AND SILVERWARE MANUFACTURING**

This industry comprises establishments primarily engaged in one or more of the following:

1. manufacturing, engraving, chasing, or etching jewelry;
2. manufacturing metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases);
3. manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware;
4. manufacturing, engraving, chasing, or etching personal metal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases);
5. stamping coins;
6. manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing;
7. cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems;
8. recutting, repolishing, and setting gem stones; and

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9. drilling, sawing, and peeling cultured and costume pearls.

### **339911 JEWELRY (EXCEPT COSTUME) MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in one of the following:

1. manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry;
2. manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and
3. stamping coins.

### **339912 SILVERWARE AND HOLLOWWARE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other hollowware.

### **339913 JEWELERS' MATERIAL AND LAPIDARY WORK MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in one of the following:

1. manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing;
2. cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems;
3. recutting, repolishing, and setting gem stones; and
4. drilling, sawing, and peeling cultured pearls.

### **339914 COSTUME JEWELRY AND NOVELTY MANUFACTURING**

This U.S. industry group comprises establishments primarily engaged in one of the following:

1. manufacturing, engraving, chasing, and etching costume jewelry; and/or
2. manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases).

This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

### **33992 SPORTING AND ATHLETIC GOODS MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

### **339920 SPORTING AND ATHLETIC GOODS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

### **33993 DOLL, TOY, AND GAME MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing dolls, toys, and games, such as complete dolls, doll parts, doll clothes, action figures, toys, games (including electronic), hobby kits, and children's vehicles (except metal bicycles and tricycles).

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### **339931 DOLL AND STUFFED TOY MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes; action figures; and stuffed toys.

### **339932 GAME, TOY, AND CHILDREN'S VEHICLE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

### **33994 OFFICE SUPPLIES (EXCEPT PAPER) MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing office supplies. Examples of products made by these establishments are pens, pencils, felt tip markers, crayons, chalk, pencil sharpeners, staplers, hand operated stamps, modeling clay, and inked ribbons.

### **339941 PEN AND MECHANICAL PENCIL MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

### **339942 LEAD PENCIL AND ART GOOD MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

### **339943 MARKING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

### **339944 CARBON PAPER AND INKED RIBBON MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

### **33995 SIGN MANUFACTURING**

This industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, and displays).

### **339950 SIGN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, and displays).

### **33999 ALL OTHER MISCELLANEOUS MANUFACTURING**

This industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), and signs).

### **339991 GASKET, PACKING, AND SEALING DEVICE MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

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### **339992 MUSICAL INSTRUMENT MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

### **339993 FASTENER, BUTTON, NEEDLE, AND PIN MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

### **339994 BROOM, BRUSH, AND MOP MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

### **339995 BURIAL CASKET MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

### **339999 ALL OTHER MISCELLANEOUS MANUFACTURING**

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

# Appendix C.

## Methodology

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### SOURCES OF THE DATA

The manufacturing sector includes approximately 350,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing. The amount of information requested from manufacturing establishments was dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the Annual Survey of Manufactures (ASM).

Establishments in the 2002 Economic Census are divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining census information from each are described below:

1. Establishments sent a report form:

- a. ASM sample establishments. This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments, as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-10000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A. Explanation of Terms, for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 473 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries, as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in certain cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry, which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided

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for the respondent to describe significant materials not listed on the form.

A wide variety of special inquiries were included to measure activities peculiar to a given industry, such as operations performed and equipment used.

- b. Large and medium establishments (non-ASM). Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census — manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.
- c. Small single-establishment companies (non-ASM). This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated “short form” was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics, because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the “not specified by kind” (nsk) categories.

## 2. Establishments not sent a report form:

- a. Small single-establishment companies not sent a report form. Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and the Census Bureau’s ability to assign the correct six-digit NAICS industry classification to the establishment. For each six-digit NAICS industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report that requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these establishments, but were included in the product and material “not specified by kind” (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit NAICS group classification codes available in the files. For manufacturing, these establishments were sent a

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separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics, other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

- b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees, during 2002 are excluded as in previous censuses. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms used to collect information for establishments in this sector are available at [help.econ.census.gov/econhelp/resources/](http://help.econ.census.gov/econhelp/resources/).

A more detailed examination of census methodology is presented in the *History of the Economic Census* at [www.census.gov/econ/www/history.html](http://www.census.gov/econ/www/history.html).

## **INDUSTRY CLASSIFICATION OF ESTABLISHMENTS**

The classifications for all establishments covered in the 2002 Economic Census — Manufacturing are classified in 1 of 473 industries in accordance with the industry definitions in the *North American Industry Classification System (NAICS), United States, 2002* manual. There were no changes between the 2002 edition and the 1997 edition affecting this sector. When applicable, Appendix F of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 2002, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. There are 1,450 product classes (seven-digit codes), 5,674 census products, and an additional 3,746 ten-digit product codes. The ten-digit products are considered the primary products of the industry with the same first six digits.

For the 2002 Economic Census — Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 2002, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.



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The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments that may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry's output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

### **ESTABLISHMENT BASIS OF REPORTING**

The 2002 Economic Census — Manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports, if the plant records permit such a separation and if the activities are substantial in size.

In 2002, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures, except for data on number of establishments for a few industries.

The 2002 Economic Census — Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

### **DESCRIPTION OF THE ASM SURVEY SAMPLE**

The ASM sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1999 survey year based on the 1997 Economic Census — Manufacturing. This sample will be in place through the 2003 ASM.

In 1997, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the establishments in the 1997 manufacturing population were partitioned into two components for developing estimates within the ASM. The details of each are described below:

1. Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies

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that operate at more than one physical location). Approximately 200,000 of the 370,000 establishments in the 1997 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1999 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1997 census. Supplemental samples representing both 1998 and 1999 births (newly active establishments that were not included in the 1997 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 2003.

The 1999-2003 ASM sample design is similar to the one used since 1984. Companies in the 1997 Economic Census — Manufacturing with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1999-2003 sample, there are approximately 500 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. Across these arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1997 Economic Census — Manufacturing.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1997 industry classification and its 1997 product class data. For each product class (1,755) and six-digit industry (473), a desired reliability constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints, while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by the Census Bureau's primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) that permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

2. Nonmail stratum. The initial nonmail component of the survey was comprised of approximately 170,000 small, single-establishment companies that were tabulated as administrative records in the 1997 Economic Census — Manufacturing. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

## **RELIABILITY OF DATA**

All data compiled in the economic census are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the census. The following are two ways that further explain this method: ASM Estimating Procedure. Most of the ASM

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estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1997 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the “difference” between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1998-2002 ASM estimates, the 1997 Economic Census — Manufacturing values serve as the base year. For the 2003 ASM, the base will be updated to be the 2002 Economic Census — Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contained approximately 170,000 individual establishments in 1999, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication. ASM Data Qualifications. The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists, but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

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For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

#### **DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS**

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

#### **VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS**

The 2002 Economic Census — Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

#### **DISCLOSURE**

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at [www.census.gov/epcd/ec02/disclosure.htm](http://www.census.gov/epcd/ec02/disclosure.htm).

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. Nonetheless, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures, which can be suppressed even though value of shipments data are published.

# Appendix D.

## Geographic Notes

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### WISCONSIN

**Appleton** is in Calumet, Outagamie, and Winnebago Counties.

**Baldwin** is now tabulated separately due to a population increase. This change deletes territory from the Balance of St. Croix County.

**Bayside** is in Milwaukee and Ozaukee Counties.

**Bellevue town** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Brown County.

**Berlin** is in Green Lake and Waushara Counties.

**Brodhead** is in Green and Rock Counties; it annexed into Rock County in February 2000. This change deletes territory from the Balance of Rock County.

**Burlington** is in Racine and Walworth Counties.

**Columbus** is in Columbia and Dodge Counties.

**Cottage Grove** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Dane County.

**DeForest** name corrected from De Forest.

**Eau Claire** is in Chippewa and Eau Claire Counties.

**Edgerton** is in Dane and Rock Counties; it annexed into Dane County in February 1997. This change deletes territory from the Balance of Dane County.

**Hartford** is in Dodge and Washington Counties.

**Howard** is in Brown and Outagamie Counties; it annexed into Outagamie County in November 1998. This change deletes territory from the Balance of Outagamie County.

**Kewaskum** in Washington County was erroneously reported in Fond du Lac County for the 1997 Economic Census. This change adds territory to the Balance of Fond du Lac County.

**Kiel** is in Calumet and Manitowoc Counties.

**Marshfield** is in Marathon and Wood Counties.

**Menasha city** is in Calumet and Winnebago Counties.

**Milwaukee** is in Milwaukee, Washington, and Waukesha Counties.

**Mukwonago** is in Walworth and Waukesha Counties.

**New London** is in Outagamie and Waupaca Counties.

**Oostburg** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Sheboygan County.

**Pulaski** is in Brown, Oconto, and Shawano Counties; it is now tabulated separately due to a population increase. This change deletes territory from the Balances of Brown, Oconto, and Shawano Counties.

**River Falls** is in Pierce and St. Croix Counties.

**Watertown** is in Dodge and Jefferson Counties.

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**Waupun** is in Dodge and Fond du Lac Counties.

**Whitewater** is in Jefferson and Walworth Counties.

**Balance of Brown County** no longer includes Bellevue town and Pulaski (part), which are tabulated separately due to a population increase.

**Balance of Dane County** lost territory due to the annexation of Edgerton into the county and no longer includes Cottage Grove, which is tabulated separately due to a population increase.

**Balance of Fond du Lac County** includes Kewaskum (part), erroneously reported in the county in 1997.

**Balance of Oconto County** no longer includes Pulaski (part), which is tabulated separately due to a population increase.

**Balance of Outagamie County** lost territory due to the annexation of Howard into the county.

**Balance of Rock County** lost territory due to the annexation of Brodhead into the county.

**Balance of St. Croix County** no longer includes Baldwin, which is tabulated separately due to a population increase.

**Balance of Shawano County** no longer includes Pulaski (part), which is tabulated separately due to a population increase.

**Balance of Sheboygan County** no longer includes Oostburg, which is tabulated separately due to a population increase.

# Appendix E.

## Metropolitan and Micropolitan Statistical Areas

### **APPLETON-OSHKOSH-NEENAH, WI COMBINED STATISTICAL AREA**

#### **Appleton, WI Metropolitan Statistical Area**

Calumet County, WI

Outagamie County, WI

#### **Oshkosh-Neenah, WI Metropolitan Statistical Area**

Winnebago County, WI

### **CHICAGO-NAPERVILLE-MICHIGAN CITY, IL-IN-WI COMBINED STATISTICAL AREA**

#### **Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area**

##### ***Chicago-Naperville-Joliet, IL Metropolitan Division***

Cook County, IL

DeKalb County, IL

DuPage County, IL

Grundy County, IL

Kane County, IL

Kendall County, IL

McHenry County, IL

Will County, IL

##### ***Gary, IN Metropolitan Division***

Jasper County, IN

Lake County, IN

Newton County, IN

Porter County, IN

##### ***Lake County-Kenosha County, IL-WI Metropolitan Division***

Lake County, IL

Kenosha County, WI

#### **Kankakee-Bradley, IL Metropolitan Statistical Area**

Kankakee County, IL

#### **Michigan City-La Porte, IN Metropolitan Statistical Area**

LaPorte County, IN

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**EAU CLAIRE-MENOMONIE, WI COMBINED STATISTICAL AREA**

**Eau Claire, WI Metropolitan Statistical Area**

Chippewa County, WI

Eau Claire County, WI

**Menomonie, WI Micropolitan Statistical Area**

Dunn County, WI

**FOND DU LAC-BEAVER DAM, WI COMBINED STATISTICAL AREA**

**Beaver Dam, WI Micropolitan Statistical Area**

Dodge County, WI

**Fond du Lac, WI Metropolitan Statistical Area**

Fond du Lac County, WI

**MADISON-BARABOO, WI COMBINED STATISTICAL AREA**

**Baraboo, WI Micropolitan Statistical Area**

Sauk County, WI

**Madison, WI Metropolitan Statistical Area**

Columbia County, WI

Dane County, WI

Iowa County, WI

**MILWAUKEE-RACINE-WAUKESHA, WI COMBINED STATISTICAL AREA**

**Milwaukee-Waukesha-West Allis, WI Metropolitan Statistical Area**

Milwaukee County, WI

Ozaukee County, WI

Washington County, WI

Waukesha County, WI

**Racine, WI Metropolitan Statistical Area**

Racine County, WI

**MINNEAPOLIS-ST. PAUL-ST. CLOUD, MN-WI COMBINED STATISTICAL AREA**

**Faribault-Northfield, MN Micropolitan Statistical Area**

Rice County, MN

**Hutchinson, MN Micropolitan Statistical Area**

McLeod County, MN



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**Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area**

Anoka County, MN  
Carver County, MN  
Chisago County, MN  
Dakota County, MN  
Hennepin County, MN  
Isanti County, MN  
Ramsey County, MN  
Scott County, MN  
Sherburne County, MN  
Washington County, MN  
Wright County, MN  
Pierce County, WI  
St. Croix County, WI

**Red Wing, MN Micropolitan Statistical Area**

Goodhue County, MN

**St. Cloud, MN Metropolitan Statistical Area**

Benton County, MN  
Stearns County, MN

**WAUSAU-MERRILL, WI COMBINED STATISTICAL AREA**

**Merrill, WI Micropolitan Statistical Area**

Lincoln County, WI

**Wausau, WI Metropolitan Statistical Area**

Marathon County, WI

**DULUTH, MN-WI METROPOLITAN STATISTICAL AREA**

Carlton County, MN  
St. Louis County, MN  
Douglas County, WI

**GREEN BAY, WI METROPOLITAN STATISTICAL AREA**

Brown County, WI  
Kewaunee County, WI  
Oconto County, WI

**IRON MOUNTAIN, MI-WI MICROPOLITAN STATISTICAL AREA**

Dickinson County, MI  
Florence County, WI

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**JANESVILLE, WI METROPOLITAN STATISTICAL AREA**

Rock County, WI

**LA CROSSE, WI-MN METROPOLITAN STATISTICAL AREA**

Houston County, MN

La Crosse County, WI

**MANITOWOC, WI MICROPOLITAN STATISTICAL AREA**

Manitowoc County, WI

**MARINETTE, WI-MI MICROPOLITAN STATISTICAL AREA**

Menominee County, MI

Marinette County, WI

**MONROE, WI MICROPOLITAN STATISTICAL AREA**

Green County, WI

**PLATTEVILLE, WI MICROPOLITAN STATISTICAL AREA**

Grant County, WI

**SHEBOYGAN, WI METROPOLITAN STATISTICAL AREA**

Sheboygan County, WI

**STEVENS POINT, WI MICROPOLITAN STATISTICAL AREA**

Portage County, WI

**WATERTOWN-FORT ATKINSON, WI MICROPOLITAN STATISTICAL AREA**

Jefferson County, WI

**WHITEWATER, WI MICROPOLITAN STATISTICAL AREA**

Walworth County, WI

**WISCONSIN RAPIDS-MARSHFIELD, WI MICROPOLITAN STATISTICAL AREA**

Wood County, WI

