

# Illinois: 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



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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	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>ILLINOIS</b>													
31-33	Manufacturing .....	1	16 860	5 922	741 908	29 841 718	511 269	1 027 433	17 002 492	91 825 126	96 051 575	188 365 216	5 960 080
311	Food manufacturing .....	1	1 279	500	83 908	2 836 177	60 722	124 946	1 842 520	12 918 964	15 303 859	28 212 163	631 375
3111	Animal food manufacturing .....	1	79	24	1 934	75 148	1 064	2 225	34 858	352 515	442 569	796 516	30 860
31111	Animal food manufacturing ....	1	79	24	1 934	75 148	1 064	2 225	34 858	352 515	442 569	796 516	30 860
311111	Dog and cat food manufacturing .....	-	13	2	310	15 884	230	536	10 516	152 412	59 868	212 183	6 235
311119	Other animal food manufacturing .....	1	66	22	1 624	59 264	834	1 689	24 342	200 103	382 701	584 333	24 625
3112	Grain and oilseed milling .....	-	57	42	6 790	310 430	5 052	10 877	214 837	2 500 764	4 041 255	6 566 614	158 209
31121	Flour milling and malt manufacturing .....	-	15	12	f	D	D	D	D	D	D	D	D
311211	Flour milling .....	-	14	11	912	35 258	657	1 441	23 062	234 149	377 033	613 711	D
31122	Starch and vegetable fats and oils manufacturing .....	-	37	26	4 627	199 024	3 379	7 295	133 048	1 357 312	3 418 596	4 793 131	119 020
311221	Wet corn milling .....	-	3	3	1 105	59 719	788	1 588	40 951	578 898	949 735	1 531 801	52 136
311222	Soybean processing .....	-	21	12	2 213	88 009	1 618	3 563	57 706	536 311	1 706 698	2 254 415	52 811
311225	Fats and oils refining and blending .....	2	13	11	1 309	51 296	973	2 144	34 391	242 103	762 163	1 006 915	14 073
31123	Breakfast cereal manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	-	91	32	j	D	D	D	D	D	D	D	87 495
31132	Chocolate and confectionery manufacturing from cacao beans .....	3	6	2	f	D	D	D	D	D	D	D	D
311320	Chocolate and confectionery manufacturing from cacao beans .....	3	6	2	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	-	50	12	5 781	165 772	3 145	6 719	118 059	908 714	501 234	1 419 349	48 136
311330	Confectionery manufacturing from purchased chocolate ..	-	50	12	5 781	165 772	3 145	6 719	118 059	908 714	501 234	1 419 349	48 136
31134	Nonchocolate confectionery manufacturing .....	-	35	18	5 522	191 242	4 561	9 028	140 981	1 179 306	520 478	1 696 903	D
311340	Nonchocolate confectionery manufacturing .....	-	35	18	5 522	191 242	4 561	9 028	140 981	1 179 306	520 478	1 696 903	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	81	44	7 945	230 170	6 388	12 895	153 325	891 299	765 895	1 659 639	31 883
31141	Frozen food manufacturing ....	-	36	19	4 333	124 135	3 352	6 974	79 439	446 159	367 072	812 652	15 612
311411	Frozen fruit, juice, and vegetable manufacturing ...	-	4	2	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	32	17	h	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	3	45	25	3 612	106 035	3 036	5 921	73 886	445 140	398 823	846 987	16 271
311421	Fruit and vegetable canning .	2	26	16	1 629	54 790	1 392	2 761	40 298	217 856	188 270	405 956	8 446
311422	Specialty canning .....	6	10	5	514	15 601	419	877	10 843	74 271	47 909	123 743	3 608
311423	Dried and dehydrated food manufacturing .....	3	9	4	1 469	35 644	1 225	2 283	22 745	153 013	162 644	317 288	4 217
3115	Dairy product manufacturing .....	1	63	38	4 082	170 248	2 907	6 098	112 200	715 813	1 224 227	1 940 069	46 579
31151	Dairy product (except frozen) manufacturing .....	-	47	31	2 867	114 317	2 000	4 198	72 938	337 780	1 039 547	1 382 180	34 510
311511	Fluid milk manufacturing ....	-	20	15	1 485	63 014	991	2 132	39 544	190 223	519 771	711 190	20 138
311513	Cheese manufacturing .....	1	15	9	f	D	D	D	D	D	D	D	4 854
311514	Dry, condensed, and evaporated dairy product manufacturing .....	-	11	7	676	28 590	482	1 025	18 652	87 172	269 206	357 196	9 518
31152	Ice cream and frozen dessert manufacturing .....	4	16	7	1 215	55 931	907	1 900	39 262	378 033	184 680	557 889	12 069
311520	Ice cream and frozen dessert manufacturing .....	4	16	7	1 215	55 931	907	1 900	39 262	378 033	184 680	557 889	12 069
3116	Animal slaughtering and processing .....	1	187	97	19 768	604 414	16 062	36 399	421 670	1 780 150	4 382 359	6 133 135	100 413
31161	Animal slaughtering and processing .....	1	187	97	19 768	604 414	16 062	36 399	421 670	1 780 150	4 382 359	6 133 135	100 413
311611	Animal (except poultry) slaughtering .....	-	76	34	10 099	286 663	8 732	20 320	224 527	687 074	2 563 120	3 245 845	25 376
311612	Meat processed from carcasses .....	2	87	50	7 257	245 846	5 512	12 122	150 886	839 786	1 360 048	2 195 772	59 137
311613	Rendering and meat byproduct processing .....	6	13	8	607	19 782	380	810	11 887	60 390	58 785	119 271	3 856
311615	Poultry processing .....	1	11	5	1 805	52 123	1 438	3 147	34 370	192 900	400 406	572 247	12 044
3117	Seafood product preparation and packaging .....	7	7	4	c	D	D	D	D	D	D	D	1 313
31171	Seafood product preparation and packaging .....	7	7	4	c	D	D	D	D	D	D	D	1 313
311711	Seafood canning .....	1	2	1	c	D	D	D	D	D	D	D	D
311712	Fresh and frozen seafood processing .....	9	5	3	c	D	D	D	D	D	D	D	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>ILLINOIS—Con.</b>													
311	Food manufacturing—Con.												
3118	Bakeries and tortilla manufacturing .....	1	508	131	20 034	652 154	13 027	24 084	396 182	2 561 925	1 334 441	3 885 352	87 657
31181	Bread and bakery product manufacturing .....	1	441	92	11 494	349 917	6 241	10 611	178 339	911 427	430 955	1 345 061	45 247
311811	Retail bakeries .....	4	346	47	3 431	55 462	1 777	2 573	29 466	105 717	51 446	156 567	3 499
311812	Commercial bakeries .....	—	84	37	7 383	273 552	3 919	6 907	136 374	761 722	332 898	1 097 668	38 698
311813	Frozen cakes, pies, and other pastries manufacturing .....	5	11	8	680	20 903	545	1 131	12 499	43 988	46 611	90 826	3 050
31182	Cookie, cracker, and pasta manufacturing .....	1	56	31	7 857	286 368	6 252	12 412	206 440	1 603 875	867 697	2 457 901	40 939
311821	Cookie and cracker manufacturing .....	1	25	17	4 734	175 461	3 848	7 123	125 055	1 193 298	417 627	1 611 756	27 797
311822	Flour mixes and dough manufacturing from purchased flour .....	—	20	13	2 764	96 238	2 116	4 680	71 008	337 899	375 295	707 632	9 088
311823	Dry pasta manufacturing .....	1	11	1	359	14 669	288	609	10 377	72 678	74 775	138 513	4 054
31183	Tortilla manufacturing .....	1	11	8	683	15 869	534	1 061	11 403	46 623	35 789	82 390	1 471
311830	Tortilla manufacturing .....	1	11	8	683	15 869	534	1 061	11 403	46 623	35 789	82 390	1 471
3119	Other food manufacturing .....	1	206	88	11 002	398 351	7 640	14 998	224 840	1 797 820	1 804 878	3 596 797	86 966
31191	Snack food manufacturing .....	—	23	14	2 236	63 214	1 655	2 991	38 194	335 177	289 504	623 616	11 811
311911	Roasted nuts and peanut butter manufacturing .....	—	8	6	1 072	34 195	830	1 557	22 273	156 261	205 482	358 218	7 210
311919	Other snack food manufacturing .....	1	15	8	1 164	29 019	825	1 434	15 921	178 916	84 022	265 398	4 601
31192	Coffee and tea manufacturing .....	—	11	3	271	10 517	170	345	5 158	79 724	89 658	169 827	D
311920	Coffee and tea manufacturing .....	—	11	3	271	10 517	170	345	5 158	79 724	89 658	169 827	D
31193	Flavoring syrup and concentrate manufacturing .....	1	9	2	231	8 591	170	363	3 827	78 229	8 343	86 482	D
311930	Flavoring syrup and concentrate manufacturing .....	1	9	2	231	8 591	170	363	3 827	78 229	8 343	86 482	D
31194	Seasoning and dressing manufacturing .....	1	42	26	3 904	168 946	2 614	5 296	95 330	901 800	963 105	1 861 130	40 016
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	1	15	6	1 823	79 037	1 466	3 062	58 601	639 252	602 294	1 241 110	25 950
311942	Spice and extract manufacturing .....	3	27	20	2 081	89 909	1 148	2 234	36 729	262 548	360 811	620 020	14 066
31199	All other food manufacturing .....	2	121	43	4 360	147 083	3 031	6 003	82 331	402 890	454 268	855 742	24 425
311991	Perishable prepared food manufacturing .....	5	28	15	1 299	30 338	1 090	2 086	20 100	83 476	87 306	170 482	8 655
311999	All other miscellaneous food manufacturing .....	2	93	28	3 061	116 745	1 941	3 917	62 231	319 414	366 962	685 260	15 770
312	Beverage and tobacco product manufacturing .....	1	64	23	3 633	129 160	2 001	4 164	71 567	1 599 417	1 118 057	2 678 419	85 673
3121	Beverage manufacturing .....	2	63	22	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	40	20	h	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	—	20	13	2 484	84 224	1 385	2 966	48 040	407 296	943 122	1 359 306	33 551
312112	Bottled water manufacturing .....	—	7	5	329	9 366	78	172	1 840	36 478	14 133	52 795	4 666
312113	Ice manufacturing .....	—	13	2	c	D	D	D	D	D	D	D	D
31214	Distilleries .....	9	3	1	e	D	D	D	D	D	D	D	D
312140	Distilleries .....	9	3	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	62	10	866	25 503	703	1 259	17 215	68 173	76 709	143 790	2 028
3132	Fabric mills .....	4	28	6	440	11 851	368	608	7 930	29 892	26 971	55 823	949
31322	Narrow fabric mills and schiffli machine embroidery .....	—	6	2	174	4 071	149	182	2 790	9 609	7 999	16 842	D
313221	Narrow fabric mills .....	—	1	1	c	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills .....	6	10	3	184	5 220	153	292	3 475	14 082	12 369	26 130	505
313230	Nonwoven fabric mills .....	6	10	3	184	5 220	153	292	3 475	14 082	12 369	26 130	505
3133	Textile and fabric finishing and fabric coating mills .....	4	30	4	422	13 564	331	644	9 206	38 155	49 513	87 617	1 074
31331	Textile and fabric finishing mills .....	6	27	3	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills .....	6	23	3	324	10 412	245	463	6 768	23 661	31 903	55 430	D
314	Textile product mills .....	2	252	54	4 369	109 045	3 461	6 680	67 070	222 055	224 937	450 696	7 372
3141	Textile furnishings mills .....	1	125	21	1 878	46 250	1 474	2 796	28 152	89 462	117 260	207 509	2 420
31412	Curtain and linen mills .....	—	124	21	g	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills .....	1	99	9	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills .....	—	25	12	1 098	29 048	878	1 727	18 825	51 890	85 550	137 768	1 555
3149	Other textile product mills .....	3	127	33	2 491	62 795	1 987	3 884	38 918	132 593	107 677	243 187	4 952
31491	Textile bag and canvas mills .....	2	56	16	1 180	27 103	988	1 970	18 197	55 444	43 472	101 539	3 172
314912	Canvas and related product mills .....	2	49	14	1 093	25 179	915	1 837	17 126	52 830	40 853	96 372	D
31499	All other textile product mills .....	4	71	17	1 311	35 622	999	1 914	20 721	77 149	64 205	141 648	1 780
314999	All other miscellaneous textile product mills .....	5	69	16	g	D	D	D	D	D	D	D	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	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>ILLINOIS—Con.</b>													
315	Apparel manufacturing .....	4	225	59	6 343	148 129	4 849	8 861	84 682	311 667	257 972	573 937	9 927
3151	Apparel knitting mills .....	3	10	4	268	7 715	211	411	4 641	10 684	8 059	18 642	D
31519	Other apparel knitting mills ....	3	9	4	e	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills .....	3	8	3	c	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	5	155	44	4 925	109 463	3 868	7 011	66 059	269 875	153 442	423 293	D
31521	Cut and sew apparel contractors .....	6	83	14	f	D	D	D	D	D	D	D	190
315212	Women's, girls', and infants' cut and sew apparel contractors .....	7	68	13	768	11 367	695	1 138	9 183	16 972	3 518	20 625	180
31522	Men's and boys' cut and sew apparel manufacturing .....	6	29	15	2 633	65 726	1 863	3 446	32 744	162 721	85 917	251 828	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	8	15	5	1 504	42 977	992	1 993	19 755	100 432	31 822	134 702	907
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 .....	—	6	6	585	13 082	416	728	6 169	35 046	22 075	57 804	D
315228	Men's and boys' cut and sew other outerwear manufacturing .....	7	3	2	174	2 860	145	271	1 952	3 622	711	4 391	58
31523	Women's and girls' cut and sew apparel manufacturing .....	5	24	6	435	10 413	329	597	5 884	24 475	33 907	58 577	1 597
315233	Women's and girls' cut and sew dress manufacturing .....	3	10	2	173	3 936	135	225	2 257	11 329	16 772	28 345	782
31529	Other cut and sew apparel manufacturing .....	3	19	9	g	D	D	D	D	D	D	D	2 458
315299	All other cut and sew apparel manufacturing .....	3	16	8	924	18 338	842	1 552	15 946	60 042	25 229	81 693	D
3159	Apparel accessories and other apparel manufacturing .....	2	60	11	1 150	30 951	770	1 439	13 982	31 108	96 471	132 002	324
31599	Apparel accessories and other apparel manufacturing .....	2	60	11	1 150	30 951	770	1 439	13 982	31 108	96 471	132 002	324
315991	Hat, cap, and millinery manufacturing .....	7	6	4	e	D	D	D	D	D	D	D	43
315992	Glove and mitten manufacturing .....	—	8	5	593	19 239	309	609	6 026	11 031	79 337	95 255	D
315999	Other apparel accessories and other apparel manufacturing .....	7	44	2	223	5 349	165	310	3 296	7 967	11 350	18 904	87
316	Leather and allied product manufacturing .....	—	41	16	2 069	53 942	1 644	3 452	33 395	120 821	95 181	231 116	6 166
3161	Leather and hide tanning and finishing .....	—	5	3	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing .....	—	5	3	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing .....	—	5	3	e	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
316211	Rubber and plastics footwear manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing .....	1	32	11	991	24 848	756	1 564	13 173	65 980	36 209	107 653	1 464
31699	Other leather and allied product manufacturing .....	1	32	11	991	24 848	756	1 564	13 173	65 980	36 209	107 653	1 464
316991	Luggage manufacturing .....	4	11	3	c	D	D	D	D	D	D	D	371
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	—	3	1	c	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing .....	—	17	7	620	13 395	493	1 034	7 984	38 482	20 422	65 146	D
321	Wood product manufacturing .....	2	464	130	9 067	269 058	6 992	13 756	171 972	592 178	709 712	1 300 520	29 756
3211	Sawmills and wood preservation .	2	61	8	544	16 929	432	841	12 062	43 157	106 810	148 658	2 768
32111	Sawmills and wood preservation .....	2	61	8	544	16 929	432	841	12 062	43 157	106 810	148 658	2 768
321113	Sawmills .....	4	50	4	375	11 064	291	521	7 543	27 201	33 580	59 648	1 107
321114	Wood preservation .....	1	11	4	169	5 865	141	320	4 519	15 956	73 230	89 010	1 661
3212	Veneer, plywood, and engineered wood product manufacturing .....	1	44	24	2 128	67 551	1 571	3 225	39 883	128 042	185 126	313 964	7 125
32121	Veneer, plywood, and engineered wood product manufacturing .....	1	44	24	2 128	67 551	1 571	3 225	39 883	128 042	185 126	313 964	7 125
321211	Hardwood veneer and plywood manufacturing ....	7	7	1	145	4 599	123	247	3 310	7 140	13 471	20 560	D
321214	Truss manufacturing .....	1	24	18	1 247	37 746	871	1 737	20 565	72 180	80 399	152 951	3 380
321219	Reconstituted wood product manufacturing .....	—	10	5	729	24 975	570	1 228	15 811	48 157	90 034	138 666	D

**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>ILLINOIS—Con.</b>													
321	Wood product manufacturing—Con.												
3219	Other wood product manufacturing .....	2	359	98	6 395	184 578	4 989	9 690	120 027	420 979	417 776	837 898	19 863
32191	Millwork .....	3	141	34	2 709	88 002	2 077	4 120	57 083	195 835	212 719	407 460	8 462
321911	Wood window and door manufacturing .....	3	63	16	1 682	51 198	1 279	2 477	31 497	119 155	151 570	270 472	4 231
321912	Cut stock, resawing lumber, and planing .....	4	11	2	108	3 344	93	189	2 471	5 582	9 301	14 832	219
321918	Other millwork (including flooring) .....	4	67	16	919	33 460	705	1 454	23 115	71 098	51 848	122 156	4 012
32192	Wood container and pallet manufacturing .....	2	118	35	1 974	48 212	1 599	3 011	32 737	107 305	96 739	203 617	6 008
321920	Wood container and pallet manufacturing .....	2	118	35	1 974	48 212	1 599	3 011	32 737	107 305	96 739	203 617	6 008
32199	All other wood product manufacturing .....	2	100	29	1 712	48 364	1 313	2 559	30 207	117 839	108 318	226 821	5 393
321992	Prefabricated wood building manufacturing .....	—	20	10	627	21 850	423	869	10 941	53 149	63 523	117 116	2 689
321999	All other miscellaneous wood product manufacturing .....	3	77	19	1 057	25 736	865	1 646	18 703	62 776	42 278	105 274	2 619
322	Paper manufacturing .....	1	338	217	22 969	910 014	17 332	36 360	576 879	2 306 229	2 962 483	5 286 203	192 349
3221	Pulp, paper, and paperboard mills .....	—	12	10	1 102	57 463	860	1 798	42 630	160 374	158 889	320 970	51 666
32212	Paper mills .....	—	8	6	676	39 981	503	1 083	28 619	116 704	125 906	244 577	50 143
322121	Paper (except newsprint) mills .....	—	8	6	676	39 981	503	1 083	28 619	116 704	125 906	244 577	50 143
32213	Paperboard mills .....	—	4	4	426	17 482	357	715	14 011	43 670	32 983	76 393	1 523
322130	Paperboard mills .....	—	4	4	426	17 482	357	715	14 011	43 670	32 983	76 393	1 523
3222	Converted paper product manufacturing .....	1	326	207	21 867	852 551	16 472	34 562	534 249	2 145 855	2 803 594	4 965 233	140 683
32221	Paperboard container manufacturing .....	1	184	123	13 449	535 668	10 235	21 651	339 383	1 325 741	1 897 685	3 221 882	97 356
322211	Corrugated and solid fiber box manufacturing .....	1	116	85	7 812	319 251	5 740	12 291	190 930	795 848	1 253 588	2 048 219	49 509
322212	Folding paperboard box manufacturing .....	—	43	25	3 293	148 913	2 591	5 399	100 642	351 867	426 748	772 209	37 145
322213	Setup paperboard box manufacturing .....	4	7	4	c	D	D	D	D	D	D	D	845
322214	Fiber can, tube, drum, and similar products manufacturing .....	1	14	6	564	17 924	460	890	12 438	50 539	51 992	102 633	D
322215	Nonfolding sanitary food container manufacturing .....	—	4	3	g	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	1	71	45	4 454	179 276	3 099	6 343	100 646	482 556	574 644	1 067 665	27 622
322221	Coated and laminated packaging paper and plastics film manufacturing ..	—	7	4	e	D	D	D	D	D	D	D	1 246
322222	Coated and laminated paper manufacturing .....	1	41	25	2 485	104 336	1 593	3 291	53 626	310 798	331 608	647 898	16 954
322223	Plastics, foil, and coated paper bag manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing .....	1	10	7	525	17 070	435	849	12 661	30 991	56 285	89 719	4 130
322225	Laminated aluminum foil manufacturing for flexible packaging uses .....	—	5	4	237	9 608	179	371	6 949	31 160	48 840	80 645	D
322226	Surface-coated paperboard manufacturing .....	7	5	3	363	14 368	245	550	6 103	39 711	64 867	105 291	3 366
32223	Stationery product manufacturing .....	—	33	21	2 435	83 846	1 917	4 181	58 832	209 767	225 625	443 316	11 460
322231	Die-cut paper and paperboard office supplies manufacturing .....	—	11	5	633	19 710	526	1 203	15 422	69 193	79 643	155 181	2 093
322232	Envelope manufacturing .....	—	18	15	1 725	61 459	1 335	2 851	41 879	133 830	141 036	276 445	9 315
32229	Other converted paper product manufacturing .....	1	38	18	1 529	53 761	1 221	2 387	35 388	127 791	105 640	232 370	4 245
322299	All other converted paper product manufacturing .....	1	32	18	1 495	52 346	1 194	2 328	34 276	122 042	98 865	219 846	D
323	Printing and related support activities .....	2	'2 143	'492	'51 180	'2 009 021	'36 831	'72 386	'1 227 365	'4 416 913	'2 812 726	'7 221 699	'282 847
3231	Printing and related support activities .....	2	'2 143	'492	'51 180	'2 009 021	'36 831	'72 386	'1 227 365	'4 416 913	'2 812 726	'7 221 699	'282 847
32311	Printing .....	1	'1 922	422	'45 252	'1 778 321	'32 402	'63 475	'1 085 857	'3 924 289	'2 650 257	'6 569 953	'260 000
323110	Commercial lithographic printing .....	1	'900	'248	'29 351	'1 211 379	'21 231	'41 932	'753 189	'2 579 244	'1 736 984	'4 312 030	'197 169
323111	Commercial gravure printing ..	—	25	5	1 012	37 344	847	1 902	28 250	98 256	54 059	151 800	4 882
323112	Commercial flexographic printing .....	2	62	22	1 580	61 606	1 030	1 937	31 622	150 594	122 645	272 486	6 628
323113	Commercial screen printing ..	1	'184	'37	'2 917	'92 858	'2 050	'3 871	'46 434	'175 964	'155 648	'330 274	'9 114
323114	Quick printing .....	4	428	21	2 428	71 612	1 682	2 899	42 710	148 505	65 241	214 963	8 484
323115	Digital printing .....	—	60	19	1 699	71 324	1 049	1 903	38 342	159 522	94 075	253 135	6 826
323116	Manifold business forms printing .....	4	46	26	2 334	89 073	1 660	3 279	56 988	279 524	208 742	486 524	10 217
323117	Books printing .....	1	34	11	1 375	54 857	1 033	2 186	35 853	108 733	74 126	183 208	10 790
323118	Blankbook, looseleaf binders, and devices manufacturing ..	2	30	16	1 055	32 188	773	1 583	18 251	78 614	61 362	142 874	1 815
323119	Other commercial printing ..	2	'153	'17	'1 501	'56 080	'1 047	'1 983	'34 218	'145 333	'77 375	'222 659	'4 075
32312	Support activities for printing ..	3	'221	'70	'5 928	'230 700	'4 429	'8 911	'141 508	'492 624	'162 469	'651 746	'22 847
323121	Tradebinding and related work .....	4	83	35	3 522	107 099	2 816	5 766	66 487	250 167	89 871	338 457	8 091
323122	Prepress services .....	3	'138	'35	'2 406	'123 601	'1 613	'3 145	'75 021	'242 457	'72 598	'313 289	'14 756

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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>ILLINOIS—Con.</b>													
324	Petroleum and coal products manufacturing .....	—	96	38	5 407	321 591	3 337	6 781	187 511	1 746 125	9 982 511	11 815 167	617 399
3241	Petroleum and coal products manufacturing .....	—	96	38	5 407	321 591	3 337	6 781	187 511	1 746 125	9 982 511	11 815 167	617 399
32411	Petroleum refineries .....	—	10	8	2 896	206 681	1 802	3 999	127 572	1 139 773	9 268 202	10 511 154	591 678
324110	Petroleum refineries .....	—	10	8	2 896	206 681	1 802	3 999	127 572	1 139 773	9 268 202	10 511 154	591 678
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	—	55	17	1 454	56 782	947	1 602	34 293	255 837	341 167	587 608	13 298
324121	Asphalt paving mixture and block manufacturing .....	—	42	11	816	29 725	583	809	22 059	107 251	188 606	289 886	9 593
324122	Asphalt shingle and coating materials manufacturing .....	—	13	6	638	27 057	364	793	12 234	148 586	152 561	297 722	3 705
32419	Other petroleum and coal products manufacturing .....	2	31	13	1 057	58 128	588	1 180	25 646	350 515	373 142	716 405	12 423
324191	Petroleum lubricating oil and grease manufacturing .....	2	26	11	f	D	D	D	D	D	D	D	D
324199	All other petroleum and coal products manufacturing .....	—	5	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	726	343	57 015	3 220 473	28 139	59 429	1 289 319	14 210 211	10 624 420	24 833 505	990 236
3251	Basic chemical manufacturing .....	1	123	62	6 521	369 243	4 041	8 344	201 577	1 656 900	2 012 052	3 649 751	161 199
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 .....	1	21	4	220	10 568	107	194	4 740	80 527	36 426	117 145	6 642
325120	Industrial gas manufacturing .....	1	21	4	220	10 568	107	194	4 740	80 527	36 426	117 145	6 642
32513	Synthetic dye and pigment manufacturing .....	2	10	5	e	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing .....	3	4	2	c	D	D	D	D	D	D	D	1 675
325132	Synthetic organic dye and pigment manufacturing .....	2	6	3	232	11 384	169	396	7 194	37 422	41 947	79 491	D
32518	Other basic inorganic chemical manufacturing .....	3	34	23	g	D	D	D	D	D	D	D	D
325181	Alkalies and chlorine manufacturing .....	—	1	1	c	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing .....	3	33	22	1 985	109 131	1 333	2 533	67 742	456 647	279 141	735 014	25 824
32519	Other basic organic chemical manufacturing .....	1	55	29	3 478	198 331	2 096	4 473	102 247	1 041 133	1 498 681	2 521 791	124 921
325193	Ethyl alcohol manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing .....	2	48	25	2 850	169 079	1 655	3 319	83 852	685 318	931 332	1 609 203	92 114
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	57	44	3 804	198 464	2 713	5 510	127 754	1 177 080	1 430 965	2 581 974	64 586
32521	Resin and synthetic rubber manufacturing .....	—	53	41	3 687	194 582	2 622	5 322	125 115	1 161 873	1 414 237	2 549 985	D
325211	Plastics material and resin manufacturing .....	—	45	39	3 573	190 092	2 550	5 180	122 935	1 147 733	1 400 505	2 522 465	62 547
325212	Synthetic rubber manufacturing .....	2	8	2	114	4 490	72	142	2 180	14 140	13 732	27 520	D
32522	Artificial and synthetic fibers and filaments manufacturing .....	—	4	3	117	3 882	91	188	2 639	15 207	16 728	31 989	D
325222	Noncellulosic organic fiber manufacturing .....	—	4	3	117	3 882	91	188	2 639	15 207	16 728	31 989	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	2	29	11	622	29 877	364	738	15 272	378 336	423 623	826 574	10 477
32531	Fertilizer manufacturing .....	4	21	7	356	13 804	221	466	8 459	109 936	188 938	299 244	4 161
325311	Nitrogenous fertilizer manufacturing .....	5	6	2	113	6 687	72	154	4 169	77 293	137 935	216 132	2 094
325314	Fertilizer (mixing only) manufacturing .....	1	15	5	243	7 117	149	312	4 290	32 643	51 003	83 112	2 067
32532	Pesticide and other agricultural chemical manufacturing .....	—	8	4	266	16 073	143	272	6 813	268 400	234 685	527 330	6 316
325320	Pesticide and other agricultural chemical manufacturing .....	—	8	4	266	16 073	143	272	6 813	268 400	234 685	527 330	6 316
3254	Pharmaceutical and medicine manufacturing .....	—	62	30	24 078	1 655 974	7 950	18 596	480 128	6 393 308	2 566 210	8 940 004	563 045
32541	Pharmaceutical and medicine manufacturing .....	—	62	30	24 078	1 655 974	7 950	18 596	480 128	6 393 308	2 566 210	8 940 004	563 045
325411	Medicinal and botanical manufacturing .....	—	15	7	733	36 499	387	856	16 833	262 645	292 970	569 730	D
325412	Pharmaceutical preparation manufacturing .....	—	35	17	21 852	1 528 894	6 961	16 584	431 643	5 813 277	1 942 606	7 794 313	502 981
325413	In-vitro diagnostic substance manufacturing .....	2	5	3	c	D	D	D	D	D	D	D	1 058
325414	Biological product (except diagnostic) manufacturing .....	—	7	3	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	138	71	6 652	287 553	3 912	7 667	127 633	1 101 774	1 482 389	2 593 984	48 825
32551	Paint and coating manufacturing .....	—	106	51	4 953	211 557	2 859	5 623	88 245	794 631	1 132 733	1 935 100	23 062
325510	Paint and coating manufacturing .....	—	106	51	4 953	211 557	2 859	5 623	88 245	794 631	1 132 733	1 935 100	23 062
32552	Adhesive manufacturing .....	—	32	20	1 699	75 996	1 053	2 044	39 388	307 143	349 656	658 884	25 763
325520	Adhesive manufacturing .....	—	32	20	1 699	75 996	1 053	2 044	39 388	307 143	349 656	658 884	25 763

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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>ILLINOIS—Con.</b>													
325 3256	Chemical manufacturing—Con. Soap, cleaning compound, and toilet preparation manufacturing .	1	140	59	9 944	420 678	5 880	11 917	212 146	2 522 028	1 667 777	4 224 082	101 649
32561	Soap and cleaning compound manufacturing .....	1	91	30	4 560	192 669	2 508	5 394	108 575	1 034 733	1 076 885	2 125 552	47 210
325611	Soap and other detergent manufacturing .....	—	42	12	2 154	94 550	1 430	2 880	57 815	627 598	409 447	1 035 967	17 157
325612	Polish and other sanitation good manufacturing .....	3	35	9	684	25 509	360	732	11 004	139 804	61 527	214 152	5 340
325613	Surface active agent manufacturing .....	2	14	9	1 722	72 610	718	1 782	39 756	267 331	605 911	875 433	24 713
32562	Toilet preparation manufacturing .....	1	49	29	5 384	228 009	3 372	6 523	103 571	1 487 295	590 892	2 098 530	54 439
325620	Toilet preparation manufacturing .....	1	49	29	5 384	228 009	3 372	6 523	103 571	1 487 295	590 892	2 098 530	54 439
3259	Other chemical product and preparation manufacturing .....	1	177	66	5 394	258 684	3 279	6 657	124 809	980 785	1 041 404	2 017 136	40 455
32591	Printing ink manufacturing .....	1	42	20	g	D	D	D	D	D	D	D	9 491
325910	Printing ink manufacturing .....	1	42	20	g	D	D	D	D	D	D	D	9 491
32592	Explosives manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	391
325920	Explosives manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	391
32599	All other chemical product and preparation manufacturing .....	2	132	45	3 698	179 313	2 197	4 561	82 529	720 622	684 543	1 396 076	30 573
325991	Custom compounding of purchased resins .....	2	37	13	902	41 275	532	1 151	19 062	119 992	149 725	268 863	9 116
325992	Photographic film, paper, plate, and chemical manufacturing .....	3	26	8	891	46 313	556	1 182	19 919	175 828	191 076	360 252	6 408
325998	All other miscellaneous chemical product and preparation manufacturing .	1	69	24	1 905	91 725	1 109	2 228	43 548	424 802	343 742	766 961	15 049
326	Plastics and rubber products manufacturing .....	1	'846	492	'65 303	'2 242 306	'50 508	'100 980	'1 488 055	'6 675 960	'5 584 352	'12 274 151	'475 464
3261	Plastics product manufacturing ..	1	'744	'436	'55 168	'1 840 997	'42 780	'85 214	'1 203 776	'5 630 837	'4 676 299	'10 323 341	'411 093
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	101	62	7 032	252 334	5 582	11 622	179 447	868 207	924 311	1 795 748	62 619
326111	Plastics bag manufacturing ..	—	25	16	3 036	95 193	2 582	5 259	73 813	444 400	378 052	823 229	34 797
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	23	20	1 950	81 649	1 471	3 195	56 259	221 937	265 838	488 539	15 922
326113	Un laminated plastics film and sheet (except packaging) manufacturing .....	3	53	26	2 046	75 492	1 529	3 168	49 375	201 870	280 421	483 980	11 900
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing .....	—	52	27	2 854	101 328	2 188	4 332	66 034	246 254	223 262	470 423	25 341
326121	Un laminated plastics profile shape manufacturing .....	—	37	19	2 414	87 217	1 884	3 744	58 211	206 865	135 515	341 823	20 750
326122	Plastics pipe and pipe fitting manufacturing .....	—	15	8	440	14 111	304	588	7 823	39 389	87 747	128 600	4 591
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing .....	—	14	4	690	29 124	518	608	16 320	49 612	55 992	106 331	4 014
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	—	14	4	690	29 124	518	608	16 320	49 612	55 992	106 331	4 014
32614	Polystyrene foam product manufacturing .....	3	22	14	1 760	51 928	1 536	3 086	40 711	260 286	174 102	433 883	10 506
326140	Polystyrene foam product manufacturing .....	3	22	14	1 760	51 928	1 536	3 086	40 711	260 286	174 102	433 883	10 506
32615	Urethane and other foam product (except polystyrene) manufacturing .....	4	21	13	970	35 775	763	1 612	23 546	165 817	127 621	295 100	5 896
326150	Urethane and other foam product (except polystyrene) manufacturing .....	4	21	13	970	35 775	763	1 612	23 546	165 817	127 621	295 100	5 896
32616	Plastics bottle manufacturing ..	—	30	25	3 197	111 491	2 805	4 540	92 799	401 952	364 738	762 479	65 624
326160	Plastics bottle manufacturing .....	—	30	25	3 197	111 491	2 805	4 540	92 799	401 952	364 738	762 479	65 624
32619	Other plastics product manufacturing .....	1	'504	'291	'38 665	'1 259 017	'29 388	'59 414	'784 919	'3 638 709	'2 806 273	'6 459 377	'237 093
326191	Plastics plumbing fixture manufacturing .....	—	15	10	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	'488	'280	'37 705	'1 223 415	'28 671	'57 876	'758 186	'3 489 671	'2 714 931	'6 219 598	'231 618
3262	Rubber product manufacturing ...	—	'102	'56	'10 135	'401 309	'7 728	'15 766	'284 279	'1 045 123	'908 053	'1 950 810	'64 371
32621	Tire manufacturing .....	—	27	11	4 804	228 286	3 843	7 695	172 981	566 063	507 976	1 069 250	35 054
326211	Tire manufacturing (except retreading) .....	—	8	5	4 465	218 060	3 668	7 342	169 078	550 852	476 122	1 022 027	D
326212	Tire retreading .....	—	19	6	339	10 226	175	353	3 903	15 211	31 854	47 223	D
32622	Rubber and plastics hoses and belting manufacturing .....	5	13	9	1 282	39 045	868	1 544	22 967	119 435	70 689	193 362	15 038
326220	Rubber and plastics hoses and belting manufacturing ..	5	13	9	1 282	39 045	868	1 544	22 967	119 435	70 689	193 362	15 038
32629	Other rubber product manufacturing .....	—	'62	'36	'4 049	'133 978	'3 017	'6 527	'88 331	'359 625	'329 388	'688 198	'14 279
326291	Rubber product manufacturing for mechanical use .....	1	29	15	1 820	54 889	1 434	3 054	39 613	139 734	84 513	224 578	3 616

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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>ILLINOIS—Con.</b>													
326	Plastics and rubber products manufacturing—Con.												
3262	Rubber product manufacturing—Con.												
32629	Other rubber product manufacturing—Con.												
326299	All other rubber product manufacturing .....	—	'33	'21	'2 229	'79 089	'1 583	'3 473	'48 718	'219 891	'244 875	'463 620	'10 663
327	Nonmetallic mineral product manufacturing .....	1	'646	241	'18 020	'707 844	'13 739	'27 996	'470 277	'2 030 671	'1 658 593	'3 682 289	'177 118
3271	Clay product and refractory manufacturing .....	1	56	22	1 884	64 553	1 522	3 182	45 723	155 735	169 491	323 970	12 616
32711	Pottery, ceramics, and plumbing fixture manufacturing .....	3	31	9	943	27 674	806	1 714	20 478	57 244	25 794	80 440	2 116
327112	Vitreous china, fine earthenware, and other pottery product manufacturing .....	—	19	5	403	11 725	335	689	8 574	19 849	7 059	26 713	529
327113	Porcelain electrical supply manufacturing .....	4	8	4	531	15 684	464	1 012	11 685	36 655	18 534	52 786	1 560
32712	Clay building material and refractories manufacturing .....	—	25	13	941	36 879	716	1 468	25 245	98 491	143 697	243 530	10 500
327121	Brick and structural clay tile manufacturing .....	—	4	2	127	5 189	104	201	3 292	5 638	4 298	10 610	93
327124	Clay refractory manufacturing .....	—	9	7	576	21 930	479	991	17 128	70 447	106 160	179 238	D
327125	Nonclay refractory manufacturing .....	—	6	4	219	9 237	117	245	4 424	20 924	32 579	51 543	337
3272	Glass and glass product manufacturing .....	1	77	23	3 576	126 900	2 923	5 654	88 462	432 928	344 022	770 598	54 922
32721	Glass and glass product manufacturing .....	1	77	23	3 576	126 900	2 923	5 654	88 462	432 928	344 022	770 598	54 922
327211	Flat glass manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing .....	6	13	3	c	D	D	D	D	D	D	D	330
327213	Glass container manufacturing .....	1	4	4	988	46 245	879	1 859	39 156	167 504	85 067	245 785	26 804
327215	Glass product manufacturing made of purchased glass ..	1	58	14	1 845	49 878	1 444	2 723	27 514	138 431	185 995	327 176	D
3273	Cement and concrete product manufacturing .....	2	'378	137	'8 857	'358 137	'6 800	'14 005	'251 649	'1 007 641	'850 714	'1 857 114	'83 412
32731	Cement manufacturing .....	3	13	6	686	31 215	489	1 027	18 798	154 926	128 536	280 000	15 461
327310	Cement manufacturing .....	3	13	6	686	31 215	489	1 027	18 798	154 926	128 536	280 000	15 461
32732	Ready-mix concrete manufacturing .....	2	222	'76	'3 915	165 578	'3 286	6 602	136 553	'424 283	438 745	863 251	32 480
327320	Ready-mix concrete manufacturing .....	2	222	'76	'3 915	165 578	'3 286	6 602	136 553	'424 283	438 745	863 251	32 480
32733	Concrete pipe, brick, and block manufacturing .....	1	54	29	1 608	70 694	1 027	2 243	38 841	204 243	130 067	331 894	12 870
327331	Concrete block and brick manufacturing .....	2	32	15	821	36 581	506	1 092	18 855	115 619	77 193	191 437	6 414
327332	Concrete pipe manufacturing .....	—	22	14	787	34 113	521	1 151	19 986	88 624	52 874	140 457	6 456
32739	Other concrete product manufacturing .....	1	'89	'26	'2 648	'90 650	'1 998	'4 133	'57 457	'224 189	'153 366	'381 969	'22 601
327390	Other concrete product manufacturing .....	1	'89	'26	'2 648	'90 650	'1 998	'4 133	'57 457	'224 189	'153 366	'381 969	'22 601
3274	Lime and gypsum product manufacturing .....	2	13	7	341	13 341	272	599	9 834	44 984	37 647	83 001	1 523
32742	Gypsum product manufacturing .....	2	10	5	e	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing .....	2	10	5	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing .....	1	122	52	3 362	144 913	2 222	4 556	74 609	389 383	256 719	647 606	24 645
32791	Abrasive product manufacturing .....	—	39	21	1 833	86 664	1 111	2 342	35 037	225 535	139 455	368 330	9 842
327910	Abrasive product manufacturing .....	—	39	21	1 833	86 664	1 111	2 342	35 037	225 535	139 455	368 330	9 842
32799	All other nonmetallic mineral product manufacturing .....	2	83	31	1 529	58 249	1 111	2 214	39 572	163 848	117 264	279 276	14 803
327991	Cut stone and stone product manufacturing .....	4	49	15	661	24 080	507	971	17 172	56 288	25 253	79 182	D
327992	Ground or treated mineral and earth manufacturing ..	2	18	9	416	16 624	341	679	13 160	52 530	47 718	99 321	5 729
327993	Mineral wool manufacturing ..	—	4	4	216	9 096	172	382	6 251	23 716	15 577	40 695	D
327999	All other miscellaneous nonmetallic mineral product manufacturing .....	1	12	3	236	8 449	91	182	2 989	31 314	28 716	60 078	1 148
331	Primary metal manufacturing .....	—	311	'177	'28 435	'1 201 129	'21 866	'44 923	'813 358	'2 906 146	'3 941 087	'6 913 007	186 292
3311	Iron and steel mills and ferroalloy manufacturing .....	—	'31	25	'6 480	'309 579	'5 159	'10 212	'232 940	'812 862	'1 100 837	'1 920 302	28 054
33111	Iron and steel mills and ferroalloy manufacturing .....	—	'31	25	'6 480	'309 579	'5 159	'10 212	'232 940	'812 862	'1 100 837	'1 920 302	28 054
331111	Iron and steel mills .....	—	31	25	6 480	309 579	5 159	10 212	232 940	812 862	1 100 837	1 920 302	28 054

**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	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>ILLINOIS—Con.</b>													
331	Primary metal manufacturing—Con.												
3312	Steel product manufacturing from purchased steel.....	—	43	'30	'3 449	'141 367	'2 587	'5 367	'100 395	'404 221	'667 151	'1 066 887	33 628
33121	Iron and steel pipe and tube manufacturing from purchased steel.....	—	16	'14	'2 223	'92 918	'1 641	'3 373	'65 839	'281 476	'475 929	'753 186	14 630
331210	Iron and steel pipe and tube manufacturing from purchased steel.....	—	16	'14	'2 223	'92 918	'1 641	'3 373	'65 839	'281 476	'475 929	'753 186	14 630
33122	Rolling and drawing of purchased steel.....	—	27	16	1 226	48 449	946	1 994	34 556	122 745	191 222	313 701	18 998
331221	Rolled steel shape manufacturing.....	—	10	7	539	21 226	395	808	13 520	57 393	115 982	174 603	8 773
331222	Steel wire drawing.....	—	17	9	687	27 223	551	1 186	21 036	65 352	75 240	139 098	10 225
3313	Alumina and aluminum production and processing.....	—	33	17	1 980	75 198	1 546	3 204	51 224	179 633	503 149	718 355	7 210
33131	Alumina and aluminum production and processing...	—	33	17	1 980	75 198	1 546	3 204	51 224	179 633	503 149	718 355	7 210
331314	Secondary smelting and alloying of aluminum.....	—	12	5	373	15 452	269	595	9 421	32 057	165 682	196 853	2 004
331315	Aluminum sheet, plate, and foil manufacturing.....	2	7	3	331	15 671	258	531	11 519	44 827	195 563	277 057	2 292
331316	Aluminum extruded product manufacturing.....	—	6	4	898	30 323	726	1 473	20 930	66 502	60 899	126 958	1 632
331319	Other aluminum rolling and drawing.....	—	8	5	378	13 752	293	605	9 354	36 247	81 005	117 487	1 282
3314	Nonferrous metal (except aluminum) production and processing.....	—	'50	23	'6 174	'302 902	'4 102	'8 614	'160 571	'655 098	'1 081 798	'1 759 158	58 429
33141	Nonferrous metal (except aluminum) smelting and refining.....	—	9	3	e	D	D	D	D	D	D	D	D
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum).....	—	8	3	399	16 510	282	578	9 797	32 001	107 035	139 944	D
33142	Copper rolling, drawing, extruding, and alloying.....	—	'20	15	'5 263	'263 996	'3 492	'7 322	'140 764	'560 115	'897 427	'1 481 048	29 760
331421	Copper rolling, drawing, and extruding.....	—	'8	7	'3 034	'137 535	'2 389	'4 815	'97 106	'217 897	'657 971	'871 969	12 093
331422	Copper wire (except mechanical) drawing.....	—	6	4	1 888	108 015	923	2 104	36 611	313 372	160 854	500 868	D
331423	Secondary smelting, refining, and alloying of copper.....	—	6	4	341	18 446	180	403	7 047	28 846	78 602	108 211	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying.....	4	21	5	f	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding.....	5	16	4	407	16 622	271	607	7 799	52 600	48 563	99 139	D
3315	Foundries.....	1	154	82	10 352	372 083	8 472	17 526	268 228	854 332	588 152	1 448 305	58 971
33151	Ferrous metal foundries.....	1	47	25	4 190	160 033	3 383	7 091	116 801	356 457	259 471	625 910	29 297
331511	Iron foundries.....	—	34	19	2 602	108 484	2 024	4 031	74 368	231 813	187 322	429 842	24 253
331513	Steel foundries (except investment).....	4	12	5	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries.....	—	107	57	6 162	212 050	5 089	10 435	151 427	497 875	328 681	822 395	29 674
331521	Aluminum die-casting foundries.....	—	29	20	2 685	93 248	2 197	4 894	65 908	220 463	146 942	363 751	16 793
331522	Nonferrous (except aluminum) die-casting foundries.....	—	19	14	1 962	65 941	1 678	3 151	49 782	163 945	123 930	287 972	9 280
331524	Aluminum foundries (except die-casting).....	2	32	10	773	28 223	620	1 236	18 143	59 274	32 146	91 499	1 996
331525	Copper foundries (except die-casting).....	1	18	9	593	20 166	492	976	14 671	43 082	22 096	64 573	1 412
331528	Other nonferrous foundries (except die-casting).....	1	9	4	149	4 472	102	178	2 923	11 111	3 567	14 600	193
332	Fabricated metal product manufacturing.....	1	'3 673	1 229	'113 469	'4 314 075	'85 168	'171 070	'2 797 729	'10 223 472	'7 667 881	'17 822 184	'575 528
3321	Forging and stamping.....	2	302	158	16 150	613 045	12 339	24 166	397 349	1 298 393	1 329 242	2 615 501	71 555
33211	Forging and stamping.....	2	302	158	16 150	613 045	12 339	24 166	397 349	1 298 393	1 329 242	2 615 501	71 555
332111	Iron and steel forging.....	1	35	24	2 325	88 474	1 749	3 497	56 784	192 542	287 639	483 111	12 178
332112	Nonferrous forging.....	7	8	4	1 192	59 053	815	1 625	31 815	93 031	101 282	188 287	D
332114	Custom roll forming.....	—	30	18	1 725	62 691	1 331	2 860	42 213	155 769	165 801	313 579	8 146
332115	Crown and closure manufacturing.....	—	6	2	e	D	D	D	D	D	D	D	D
332116	Metal stamping.....	2	214	105	10 081	370 719	7 759	15 220	241 576	823 748	683 378	1 506 014	39 760
332117	Powder metallurgy part manufacturing.....	—	9	5	e	D	D	D	D	D	D	D	6 926
3322	Cutlery and handtool manufacturing.....	'1	'108	'46	'5 264	'192 339	'3 884	'7 969	'118 020	'505 557	'266 297	'747 119	'19 564
33221	Cutlery and handtool manufacturing.....	'1	'108	'46	'5 264	'192 339	'3 884	'7 969	'118 020	'505 557	'266 297	'747 119	'19 564
332212	Hand and edge tool manufacturing.....	—	92	39	4 410	162 031	3 279	6 677	99 775	435 209	205 627	610 877	17 224
332213	Saw blade and handsaw manufacturing.....	—	8	3	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing.....	'1	'4	'3	'518	'18 238	'383	'816	'10 628	'30 858	'49 398	'84 173	'1 147

**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>ILLINOIS—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing .....	1	'472	'188	'16 313	'589 039	'11 575	'23 072	'357 514	'1 434 322	'1 206 454	'2 633 522	'65 629
33231	Plate work and fabricated structural product manufacturing .....	2	196	78	6 519	244 295	4 472	9 067	144 917	599 200	568 400	1 164 575	23 870
332311	Prefabricated metal building and component manufacturing .....	2	17	12	1 685	50 781	1 180	2 294	35 697	176 837	203 140	379 714	5 310
332312	Fabricated structural metal manufacturing .....	3	133	47	3 572	150 461	2 374	4 909	84 699	346 207	308 076	652 265	15 802
332313	Plate work manufacturing ..	2	46	19	1 262	43 053	918	1 864	24 521	76 156	57 184	132 596	2 758
33232	Ornamental and architectural metal products manufacturing .....	1	'276	'110	'9 794	'344 744	'7 103	'14 005	'212 597	'835 122	'638 054	'1 468 947	'41 759
332321	Metal window and door manufacturing .....	—	44	16	2 282	73 069	1 580	3 230	43 687	155 059	185 274	338 846	12 622
332322	Sheet metal work manufacturing .....	1	156	68	5 668	202 614	4 247	8 219	131 040	500 069	349 904	847 790	19 935
332323	Ornamental and architectural metal work manufacturing ..	1	'76	'26	'1 844	'69 061	'1 276	'2 556	'37 870	'179 994	'102 876	'282 311	'9 202
3324	Boiler, tank, and shipping container manufacturing .....	—	91	51	6 812	257 721	5 407	11 887	185 621	731 601	762 403	1 475 666	54 686
33241	Power boiler and heat exchanger manufacturing ....	6	18	8	501	18 979	365	707	11 238	43 064	22 130	63 512	1 993
332410	Power boiler and heat exchanger manufacturing ..	6	18	8	501	18 979	365	707	11 238	43 064	22 130	63 512	1 993
33242	Metal tank (heavy gauge) manufacturing .....	2	26	13	956	35 740	740	1 556	23 820	73 201	65 013	136 146	2 884
332420	Metal tank (heavy gauge) manufacturing .....	2	26	13	956	35 740	740	1 556	23 820	73 201	65 013	136 146	2 884
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	47	30	5 355	203 002	4 302	9 624	150 563	615 336	675 260	1 276 008	49 809
332431	Metal can manufacturing ....	—	16	13	1 688	81 189	1 465	3 199	67 653	308 326	334 566	639 448	36 100
332439	Other metal container manufacturing .....	—	31	17	3 667	121 813	2 837	6 425	82 910	307 010	340 694	636 560	13 709
3325	Hardware manufacturing .....	—	69	36	5 399	197 213	4 017	6 997	117 782	561 852	317 841	883 792	22 528
33251	Hardware manufacturing .....	—	69	36	5 399	197 213	4 017	6 997	117 782	561 852	317 841	883 792	22 528
332510	Hardware manufacturing ....	—	69	36	5 399	197 213	4 017	6 997	117 782	561 852	317 841	883 792	22 528
3326	Spring and wire product manufacturing .....	2	200	71	5 592	198 127	4 250	8 615	118 978	435 655	304 451	740 643	23 292
33261	Spring and wire product manufacturing .....	2	200	71	5 592	198 127	4 250	8 615	118 978	435 655	304 451	740 643	23 292
332611	Spring (heavy gauge) manufacturing .....	1	14	7	490	16 374	405	788	11 285	35 745	26 825	62 564	1 930
332612	Spring (light gauge) manufacturing .....	1	48	26	1 737	67 161	1 255	2 491	40 248	138 841	80 899	219 739	10 292
332618	Other fabricated wire product manufacturing .....	3	138	38	3 365	114 592	2 590	5 336	67 445	261 069	196 727	458 340	11 070
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	'1 571	377	'29 167	'1 149 048	'22 094	'45 491	'770 826	'2 410 792	'1 353 346	'3 756 426	'171 403
33271	Machine shops .....	2	'1 233	207	'14 782	'575 865	'11 177	'22 215	'383 327	'1 136 045	'508 519	'1 639 928	'75 408
332710	Machine shops .....	2	'1 233	207	'14 782	'575 865	'11 177	'22 215	'383 327	'1 136 045	'508 519	'1 639 928	'75 408
33272	Turned product and screw, nut, and bolt manufacturing .....	2	338	170	14 385	573 183	10 917	23 276	387 499	1 274 747	844 827	2 116 498	95 995
332721	Precision turned product manufacturing .....	1	212	99	7 023	269 458	5 485	11 721	189 080	536 224	255 415	789 729	51 501
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	2	126	71	7 362	303 725	5 432	11 555	198 419	738 523	589 412	1 326 769	44 494
3328	Coating, engraving, heat treating, and allied activities .....	—	445	155	10 887	387 842	8 343	17 069	255 899	905 237	531 252	1 431 221	40 901
33281	Coating, engraving, heat treating, and allied activities ..	—	445	155	10 887	387 842	8 343	17 069	255 899	905 237	531 252	1 431 221	40 901
332811	Metal heat treating .....	—	46	18	1 298	47 730	992	2 112	33 758	161 748	42 133	199 152	7 433
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	144	56	3 693	136 040	2 914	5 784	95 991	330 321	292 183	620 472	19 350
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	255	81	5 896	204 072	4 437	9 173	126 150	413 168	196 936	611 597	14 118
3329	Other fabricated metal product manufacturing .....	—	415	147	17 885	729 701	13 259	25 804	475 740	1 940 063	1 596 595	3 538 294	105 970
33291	Metal valve manufacturing ....	—	82	54	6 303	266 161	4 345	8 587	151 964	669 796	586 532	1 270 561	22 889
332911	Industrial valve manufacturing .....	—	24	17	2 343	101 676	1 631	3 385	60 948	285 619	207 366	493 351	10 153
332912	Fluid power valve and hose fitting manufacturing .....	—	25	15	1 176	45 035	820	1 663	24 850	83 210	113 943	198 126	3 513
332913	Plumbing fixture fitting and trim manufacturing .....	—	14	8	1 713	72 016	1 162	2 002	40 066	198 328	172 318	379 941	5 722
332919	Other metal valve and pipe fitting manufacturing .....	3	19	14	1 071	47 434	732	1 537	26 100	102 639	92 905	199 143	3 501



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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>ILLINOIS—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing—Con.												
33299	All other fabricated metal product manufacturing .....	1	333	93	11 582	463 540	8 914	17 217	323 776	1 270 267	1 010 063	2 267 733	83 081
332991	Ball and roller bearing manufacturing .....	—	16	12	1 977	81 857	1 632	3 156	64 065	227 627	157 806	386 857	28 534
332992	Small arms ammunition manufacturing .....	—	2	1	g	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
332994	Small arms manufacturing .....	—	2	2	c	D	D	D	D	D	D	D	D
332996	Fabricated pipe and pipe fitting manufacturing .....	6	34	8	528	17 166	424	900	11 438	38 378	28 334	67 103	3 362
332997	Industrial pattern manufacturing .....	2	37	4	303	14 108	228	457	9 560	27 706	5 425	32 163	746
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	233	60	5 796	226 282	4 438	8 192	153 480	612 227	600 193	1 212 656	42 303
333	Machinery manufacturing .....	1	'1 931	'682	'87 123	'3 882 041	'54 605	'110 312	'2 030 205	'10 404 608	'10 453 663	'21 014 084	'579 360
3331	Agriculture, construction, and mining machinery manufacturing .....	—	129	61	17 374	866 376	11 157	23 005	484 912	2 785 741	4 101 936	7 125 757	159 726
33311	Agricultural implement manufacturing .....	—	61	28	7 988	336 845	5 846	11 251	215 167	1 226 696	1 246 864	2 499 118	38 933
333111	Farm machinery and equipment manufacturing ..	—	52	23	6 644	298 446	4 751	8 778	190 439	1 157 356	986 347	2 168 766	34 144
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	9	5	1 344	38 399	1 095	2 473	24 728	69 340	260 517	330 352	4 789
33312	Construction machinery manufacturing .....	—	52	26	8 908	511 041	5 013	11 262	260 349	1 493 779	2 754 561	4 460 373	120 292
333120	Construction machinery manufacturing .....	—	52	26	8 908	511 041	5 013	11 262	260 349	1 493 779	2 754 561	4 460 373	120 292
33313	Mining and oil and gas field machinery manufacturing ....	—	16	7	478	18 490	298	492	9 396	65 266	100 511	166 266	501
333131	Mining machinery and equipment manufacturing ..	—	14	7	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'260	'92	'8 297	'387 287	'4 586	'9 180	'177 919	'960 623	'665 987	'1 634 062	'26 871
33321	Sawmill and woodworking machinery manufacturing ....	3	13	4	232	8 363	147	271	4 466	18 669	8 389	27 205	504
333210	Sawmill and woodworking machinery manufacturing ..	3	13	4	232	8 363	147	271	4 466	18 669	8 389	27 205	504
33322	Plastics and rubber industry machinery manufacturing ....	—	31	9	1 247	57 551	660	1 392	24 269	147 359	94 038	237 967	9 323
333220	Plastics and rubber industry machinery manufacturing ..	—	31	9	1 247	57 551	660	1 392	24 269	147 359	94 038	237 967	9 323
33329	Other industrial machinery manufacturing .....	1	'216	'79	'6 818	'321 373	'3 779	'7 517	'149 184	'794 595	'563 560	'1 368 890	'17 044
333291	Paper industry machinery manufacturing .....	2	11	3	c	D	D	D	D	D	D	D	675
333292	Textile machinery manufacturing .....	1	11	2	461	16 897	363	844	11 580	41 618	19 903	62 239	D
333293	Printing machinery and equipment manufacturing ..	1	66	30	1 749	83 475	900	1 806	32 525	158 325	138 850	301 189	3 494
333294	Food product machinery manufacturing .....	—	38	15	1 601	81 905	970	1 878	44 816	195 885	174 185	372 115	6 266
333298	All other industrial machinery manufacturing .....	1	'89	'28	'2 810	'128 716	'1 479	'2 858	'57 692	'375 577	'224 076	'604 452	'6 275
3333	Commercial and service industry machinery manufacturing .....	2	'155	'67	'7 889	'337 378	'4 146	'8 323	'137 097	'810 219	'682 393	'1 470 056	'40 738
33331	Commercial and service industry machinery manufacturing .....	2	'155	'67	'7 889	'337 378	'4 146	'8 323	'137 097	'810 219	'682 393	'1 470 056	'40 738
333311	Automatic vending machine manufacturing .....	—	10	4	846	40 414	232	468	6 552	79 353	55 623	135 914	D
333312	Commercial laundry, drycleaning, and pressing machine manufacturing ....	1	8	4	346	14 712	224	497	7 025	35 336	35 724	70 887	910
333313	Office machinery manufacturing .....	—	7	4	838	37 688	397	781	11 885	110 056	63 714	160 615	D
333314	Optical instrument and lens manufacturing .....	2	12	2	131	6 462	77	163	3 273	16 049	7 969	22 907	485
333315	Photographic and photocopying equipment manufacturing .....	3	17	4	243	10 012	133	233	4 448	24 623	12 038	36 720	640
333319	Other commercial and service industry machinery manufacturing .....	2	'101	'49	'5 485	'228 090	'3 083	'6 181	'103 914	'544 802	'507 325	'1 043 013	'31 366

**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>ILLINOIS—Con.</b>													
333 3334	Machinery manufacturing—Con. Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	103	61	6 858	243 361	4 818	9 497	135 333	759 201	569 242	1 331 264	21 962
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	103	61	6 858	243 361	4 818	9 497	135 333	759 201	569 242	1 331 264	21 962
333411	Air purification equipment manufacturing .....	3	29	15	1 150	39 502	745	1 490	19 920	93 541	72 471	166 694	2 519
333412	Industrial and commercial fan and blower manufacturing ..	—	11	9	1 268	46 878	877	1 648	25 486	89 851	73 583	163 386	4 324
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	16	6	700	28 764	372	626	10 147	63 622	44 108	113 280	2 757
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	47	31	3 740	128 217	2 824	5 733	79 780	512 187	379 080	887 904	12 362
3335	Metalworking machinery manufacturing .....	3	786	181	14 674	658 781	10 100	20 433	399 765	1 350 198	707 954	2 031 539	80 529
33351	Metalworking machinery manufacturing .....	3	786	181	14 674	658 781	10 100	20 433	399 765	1 350 198	707 954	2 031 539	80 529
333511	Industrial mold manufacturing .....	1	237	50	3 368	160 828	2 492	5 022	109 391	298 065	104 755	400 369	18 056
333512	Machine tool (metal cutting types) manufacturing .....	4	30	15	1 237	58 757	664	1 356	24 668	120 221	103 545	222 075	D
333513	Machine tool (metal forming types) manufacturing .....	—	14	8	584	30 766	310	648	13 556	57 072	44 522	100 148	4 838
333514	Special die and tool, die set, jig, and fixture manufacturing .....	2	288	58	4 217	191 191	3 060	6 233	121 922	345 839	155 707	502 319	17 814
333515	Cutting tool and machine tool accessory manufacturing ..	3	167	29	3 487	132 516	2 444	4 768	84 517	289 280	152 312	423 708	22 342
333516	Rolling mill machinery and equipment manufacturing ..	3	6	2	131	7 006	68	160	2 819	8 802	10 264	20 603	D
333518	Other metalworking machinery manufacturing ..	5	44	19	1 650	77 717	1 062	2 246	42 892	230 919	136 849	362 317	8 681
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	71	47	11 014	486 323	6 752	13 928	249 579	1 557 328	1 865 238	3 384 293	112 906
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	71	47	11 014	486 323	6 752	13 928	249 579	1 557 328	1 865 238	3 384 293	112 906
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	1	31	18	2 332	111 355	1 638	3 298	66 935	230 591	127 121	357 375	9 094
333613	Mechanical power transmission equipment manufacturing .....	1	19	14	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	20	14	6 229	276 897	3 421	7 298	124 810	1 133 835	1 571 687	2 662 185	97 183
3339	Other general purpose machinery manufacturing .....	1	427	173	21 017	902 535	13 046	25 946	445 600	2 181 298	1 860 913	4 037 113	136 628
33391	Pump and compressor manufacturing .....	—	47	27	4 300	188 203	2 753	5 742	96 147	489 490	326 042	822 211	15 284
333911	Pump and pumping equipment manufacturing ..	—	24	17	1 960	95 159	1 147	2 541	44 692	227 530	188 251	420 838	9 588
333912	Air and gas compressor manufacturing .....	—	22	9	g	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	1	92	38	3 932	170 355	2 278	4 489	75 957	342 587	408 537	752 065	27 104
333921	Elevator and moving stairway manufacturing .....	—	13	9	833	33 764	515	1 025	18 334	63 618	81 210	145 370	1 849
333922	Conveyor and conveying equipment manufacturing ..	3	56	17	1 727	83 353	914	1 923	34 306	153 129	114 452	267 726	21 487
333923	Overhead traveling crane, hoist, and monorail system manufacturing .....	2	9	6	312	11 325	153	269	4 382	18 841	23 541	42 767	344
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	14	6	1 060	41 913	696	1 272	18 935	106 999	189 334	296 202	3 424
33399	All other general purpose machinery manufacturing ....	1	288	108	12 785	543 977	8 015	15 715	273 496	1 349 221	1 126 334	2 462 837	94 240
333991	Power-driven handtool manufacturing .....	—	10	6	472	21 462	394	752	17 319	130 506	92 757	223 413	D
333992	Welding and soldering equipment manufacturing ..	3	13	9	419	15 929	246	489	6 965	37 862	24 794	59 180	3 293
333993	Packaging machinery manufacturing .....	2	51	19	2 357	133 366	963	1 993	40 804	299 499	226 863	514 965	9 565
333994	Industrial process furnace and oven manufacturing ...	1	20	10	1 022	41 711	621	1 282	20 027	111 213	64 316	172 503	3 550
333995	Fluid power cylinder and actuator manufacturing ....	—	32	13	2 895	118 857	1 951	4 177	67 340	262 732	216 265	494 723	D
333996	Fluid power pump and motor manufacturing .....	—	12	8	1 788	73 534	1 344	2 577	49 430	178 508	226 759	380 759	10 629
333997	Scale and balance (except laboratory) manufacturing ..	—	7	2	278	13 937	151	307	6 267	22 693	20 584	53 180	D

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[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>ILLINOIS—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 .....	3	143	41	3 554	125 181	2 345	4 138	65 344	306 208	253 996	564 114	15 000
334	Computer and electronic product manufacturing .....	—	'686	292	'43 128	'1 988 350	'22 239	'42 561	'673 541	'5 147 461	'4 640 317	'10 056 803	175 908
3341	Computer and peripheral equipment manufacturing .....	—	47	10	2 317	136 448	809	1 612	29 919	361 296	312 993	673 863	12 694
33411	Computer and peripheral equipment manufacturing .....	—	47	10	2 317	136 448	809	1 612	29 919	361 296	312 993	673 863	12 694
334119	Other computer peripheral equipment manufacturing ..	—	38	9	2 270	134 326	780	1 563	29 202	356 866	309 324	665 767	12 125
3342	Communications equipment manufacturing .....	—	89	41	12 441	663 202	4 886	10 161	189 541	1 958 054	2 011 087	4 224 488	57 162
33421	Telephone apparatus manufacturing .....	1	25	15	6 895	391 149	1 571	3 255	58 275	667 309	628 449	1 364 046	39 672
334210	Telephone apparatus manufacturing .....	1	25	15	6 895	391 149	1 571	3 255	58 275	667 309	628 449	1 364 046	39 672
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	40	16	3 215	174 121	1 980	4 350	90 057	1 094 723	1 235 023	2 514 393	12 183
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	40	16	3 215	174 121	1 980	4 350	90 057	1 094 723	1 235 023	2 514 393	12 183
33429	Other communications equipment manufacturing ....	3	24	10	2 331	97 932	1 335	2 556	41 209	196 022	147 615	346 049	5 307
334290	Other communications equipment manufacturing ..	3	24	10	2 331	97 932	1 335	2 556	41 209	196 022	147 615	346 049	5 307
3343	Audio and video equipment manufacturing .....	—	25	11	2 125	80 752	1 176	1 955	24 934	231 505	386 907	614 996	9 183
33431	Audio and video equipment manufacturing .....	—	25	11	2 125	80 752	1 176	1 955	24 934	231 505	386 907	614 996	9 183
334310	Audio and video equipment manufacturing .....	—	25	11	2 125	80 752	1 176	1 955	24 934	231 505	386 907	614 996	9 183
3344	Semiconductor and other electronic component manufacturing .....	1	280	135	11 589	364 420	8 088	15 236	189 418	805 994	534 963	1 352 708	43 478
33441	Semiconductor and other electronic component manufacturing .....	1	280	135	11 589	364 420	8 088	15 236	189 418	805 994	534 963	1 352 708	43 478
334411	Electron tube manufacturing .	1	4	2	189	8 162	105	171	2 204	8 711	5 990	14 495	D
334412	Bare printed circuit board manufacturing .....	1	66	33	2 634	79 859	2 023	3 725	47 741	156 601	104 266	260 501	13 361
334413	Semiconductor and related device manufacturing .....	6	21	9	e	D	D	D	D	D	D	D	960
334414	Electronic capacitor manufacturing .....	1	6	3	c	D	D	D	D	D	D	D	460
334415	Electronic resistor manufacturing .....	—	5	2	353	11 016	222	400	3 987	30 468	8 590	38 807	D
334416	Electronic coil, transformer, and other inductor manufacturing .....	1	41	24	1 333	37 555	999	1 870	21 060	69 825	45 721	115 384	2 387
334417	Electronic connector manufacturing .....	1	15	8	868	29 234	582	1 081	15 061	66 095	40 813	109 446	2 830
334418	Printed circuit assembly (electronic assembly) manufacturing .....	1	40	28	2 592	76 241	1 601	3 165	36 107	154 299	158 105	318 374	5 415
334419	Other electronic component manufacturing .....	1	82	26	3 121	104 231	2 238	4 263	55 658	272 555	152 941	428 900	16 200
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	'202	83	'12 198	'659 755	'5 475	'10 062	'187 388	'1 592 210	'1 275 852	'2 868 985	43 984
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	'202	83	'12 198	'659 755	'5 475	'10 062	'187 388	'1 592 210	'1 275 852	'2 868 985	43 984
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	1	20	12	1 536	73 221	760	1 498	21 268	216 087	150 184	371 206	4 996
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	14	6	2 790	211 842	944	1 293	44 388	327 575	353 961	708 124	14 959
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	—	19	9	1 690	60 782	1 016	1 883	25 296	243 631	139 592	381 623	3 377
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables .....	1	40	17	1 659	74 498	748	1 450	24 693	159 004	103 899	267 090	4 420

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

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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>ILLINOIS—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.												
334514	Totalizing fluid meter and counting device manufacturing .....	—	14	6	703	31 327	378	688	11 045	91 758	69 669	160 706	2 231
334515	Instrument manufacturing for measuring and testing electricity and electrical signals .....	2	20	8	1 681	136 085	1304	1594	10 084	74 940	42 656	118 310	2 522
334516	Analytical laboratory instrument manufacturing ..	—	16	6	480	22 839	142	306	4 861	77 491	44 689	123 067	1 468
334517	Irradiation apparatus manufacturing .....	—	22	8	1 571	99 496	705	1 377	29 405	283 951	284 137	533 011	6 877
334519	Other measuring and controlling device manufacturing .....	1	31	10	1 024	47 277	436	881	15 364	112 783	81 997	195 795	2 961
3346	Manufacturing and reproducing magnetic and optical media .....	2	43	12	2 458	83 773	1 805	3 535	52 341	198 402	118 515	321 763	9 407
33461	Manufacturing and reproducing magnetic and optical media ..	2	43	12	2 458	83 773	1 805	3 535	52 341	198 402	118 515	321 763	9 407
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	2	28	11	2 378	80 673	1 745	3 475	50 513	191 205	114 211	310 278	9 133
335	Electrical equipment, appliance, and component manufacturing .....	1	430	207	34 635	1 350 874	23 445	47 558	717 933	3 656 473	3 098 141	6 778 021	175 594
3351	Electric lighting equipment manufacturing .....	—	72	36	5 256	189 632	3 419	6 759	91 202	630 690	377 364	1 008 039	11 463
33511	Electric lamp bulb and part manufacturing .....	1	5	4	585	24 698	525	1 021	20 995	33 913	25 366	59 196	3 672
335110	Electric lamp bulb and part manufacturing .....	1	5	4	585	24 698	525	1 021	20 995	33 913	25 366	59 196	3 672
33512	Lighting fixture manufacturing ..	—	67	32	4 671	164 934	2 894	5 738	70 207	596 777	351 998	948 843	7 791
335121	Residential electric lighting fixture manufacturing .....	1	26	13	2 960	104 544	1 763	3 426	41 055	394 258	227 910	622 009	3 791
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing .....	—	22	11	907	31 698	597	1 280	15 276	95 479	65 624	160 572	2 162
335129	Other lighting equipment manufacturing .....	—	19	8	804	28 692	534	1 032	13 876	107 040	58 464	166 262	1 838
3352	Household appliance manufacturing .....	—	19	14	6 678	233 799	5 098	9 363	150 693	567 500	831 243	1 396 251	41 038
33521	Small electrical appliance manufacturing .....	—	6	5	1 290	44 961	1 004	2 037	30 365	165 300	119 282	282 007	D
335211	Electric housewares and household fan manufacturing .....	—	6	5	1 290	44 961	1 004	2 037	30 365	165 300	119 282	282 007	D
33522	Major appliance manufacturing.	—	13	9	5 388	188 838	4 094	7 326	120 328	402 200	711 961	1 114 244	D
335221	Household cooking appliance manufacturing .....	—	7	6	g	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	1	188	87	12 863	524 633	8 395	17 346	266 739	1 423 647	1 027 683	2 471 346	73 085
33531	Electrical equipment manufacturing .....	1	188	87	12 863	524 633	8 395	17 346	266 739	1 423 647	1 027 683	2 471 346	73 085
335311	Power, distribution, and specialty transformer manufacturing .....	—	22	12	1 492	55 300	882	1 695	21 611	253 942	127 952	397 590	2 139
335312	Motor and generator manufacturing .....	—	32	18	2 416	92 014	1 778	3 641	58 085	215 766	119 267	333 356	12 273
335313	Switchgear and switchboard apparatus manufacturing ..	—	43	23	5 676	248 425	3 669	8 160	127 646	691 443	466 237	1 157 119	46 164
335314	Relay and industrial control manufacturing .....	2	91	34	3 279	128 894	2 066	3 850	59 397	262 496	314 227	583 281	12 509
3359	Other electrical equipment and component manufacturing .....	1	151	70	9 838	402 810	6 533	14 090	209 299	1 034 636	861 851	1 902 385	50 008
33591	Battery manufacturing .....	—	10	4	632	21 743	486	893	14 323	71 704	89 193	163 519	4 687
335911	Storage battery manufacturing .....	—	10	4	632	21 743	486	893	14 323	71 704	89 193	163 519	4 687
33592	Communication and energy wire and cable manufacturing ..	1	10	8	908	30 516	713	1 532	20 193	70 646	137 106	206 159	4 423
335929	Other communication and energy wire manufacturing ..	1	9	8	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ..	—	58	34	6 007	267 161	4 021	9 102	143 006	720 201	442 505	1 163 888	34 766
335931	Current-carrying wiring device manufacturing .....	—	38	21	3 999	181 009	2 628	6 231	94 472	426 479	254 602	682 284	16 539
335932	Noncurrent-carrying wiring device manufacturing .....	—	20	13	2 008	86 152	1 393	2 871	48 534	293 722	187 903	481 604	18 227

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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>ILLINOIS—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing—Con.												
33599	All other miscellaneous electrical equipment and component manufacturing . . . . .	6	'73	24	'2 291	'83 390	'1 313	'2 563	'31 777	'172 085	'193 047	'368 819	6 132
336	Transportation equipment manufacturing . . . . .	6	'70	24	'2 274	'82 862	'1 298	'2 535	'31 435	'171 049	'191 863	'366 544	6 103
3361	Motor vehicle manufacturing . . . . .	—	430	205	50 871	2 246 609	37 029	71 936	1 473 369	7 411 984	11 389 115	18 745 598	529 613
33611	Automobile and light duty motor vehicle manufacturing . . . . .	—	17	4	7 499	491 926	6 622	13 165	425 233	1 861 519	6 208 255	8 063 158	D
336111	Automobile manufacturing . . . . .	—	17	4	7 499	491 926	6 622	13 165	425 233	1 861 519	6 208 255	8 063 158	D
3362	Motor vehicle body and trailer manufacturing . . . . .	—	11	4	7 472	490 303	6 599	13 118	423 799	1 857 923	6 193 163	8 044 458	D
33621	Motor vehicle body and trailer manufacturing . . . . .	1	42	18	2 775	102 615	2 067	4 385	67 606	246 465	274 265	522 220	D
336211	Motor vehicle body manufacturing . . . . .	1	42	18	2 775	102 615	2 067	4 385	67 606	246 465	274 265	522 220	D
336212	Truck trailer manufacturing . . . . .	—	25	9	1 372	56 540	947	1 935	33 562	128 924	144 914	276 237	4 241
336213	Motor home manufacturing . . . . .	2	5	3	644	17 157	541	1 105	13 107	54 555	78 209	132 250	578
336214	Travel trailer and camper manufacturing . . . . .	—	1	1	c	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing . . . . .	—	11	5	f	D	D	D	D	D	D	D	D
33631	Motor vehicle parts manufacturing . . . . .	—	274	139	28 952	1 053 484	22 375	41 632	706 921	3 247 450	3 252 326	6 461 487	225 987
336312	Motor vehicle gasoline engine and engine parts manufacturing . . . . .	1	37	12	g	D	D	D	D	D	D	D	7 275
33632	Gasoline engine and engine parts manufacturing . . . . .	1	33	11	1 457	53 653	1 059	2 153	35 071	227 330	220 480	435 883	D
336321	Motor vehicle electrical and electronic equipment manufacturing . . . . .	—	66	33	6 855	221 967	4 845	10 325	121 629	708 985	634 186	1 360 420	49 522
336322	Vehicular lighting equipment manufacturing . . . . .	—	13	10	2 742	89 099	2 258	4 905	58 910	232 903	203 842	436 949	21 724
33633	Other motor vehicle electrical and electronic equipment manufacturing . . . . .	1	53	23	4 113	132 868	2 587	5 420	62 719	476 082	430 344	923 471	27 798
336330	Motor vehicle steering and suspension component (except spring) manufacturing . . . . .	2	4	1	c	D	D	D	D	D	D	D	656
33634	Motor vehicle steering and suspension component (except spring) manufacturing . . . . .	2	4	1	c	D	D	D	D	D	D	D	656
336340	Motor vehicle brake system manufacturing . . . . .	—	14	6	1 999	68 570	1 644	3 373	49 129	175 466	293 956	462 510	7 190
33635	Motor vehicle transmission and power train parts manufacturing . . . . .	—	14	6	1 999	68 570	1 644	3 373	49 129	175 466	293 956	462 510	7 190
336350	Motor vehicle transmission and power train parts manufacturing . . . . .	—	29	13	2 774	127 164	2 224	4 821	89 535	350 039	250 992	597 498	17 131
33636	Motor vehicle seating and interior trim manufacturing . . . . .	—	29	13	2 774	127 164	2 224	4 821	89 535	350 039	250 992	597 498	17 131
336360	Motor vehicle seating and interior trim manufacturing . . . . .	—	10	6	1 672	55 079	1 274	2 448	34 685	184 565	466 381	650 751	11 493
33637	Motor vehicle metal stamping . . . . .	—	10	6	1 672	55 079	1 274	2 448	34 685	184 565	466 381	650 751	11 493
336370	Motor vehicle metal stamping . . . . .	—	54	36	7 483	292 698	6 021	8 302	212 076	664 084	732 415	1 374 416	60 332
33639	Other motor vehicle parts manufacturing . . . . .	—	54	36	7 483	292 698	6 021	8 302	212 076	664 084	732 415	1 374 416	60 332
336391	Motor vehicle air-conditioning manufacturing . . . . .	—	60	32	6 489	225 130	5 137	9 945	158 405	923 002	636 372	1 548 332	72 388
336399	All other motor vehicle parts manufacturing . . . . .	—	5	3	461	21 220	379	792	17 392	59 092	109 345	166 449	2 111
3364	Aerospace product and parts manufacturing . . . . .	—	55	29	6 028	203 910	4 758	9 153	141 013	863 910	527 027	1 381 883	70 277
33641	Aerospace product and parts manufacturing . . . . .	1	22	14	6 055	316 260	2 641	5 851	127 497	1 181 276	523 887	1 708 282	30 073
336411	Aircraft manufacturing . . . . .	1	22	14	6 055	316 260	2 641	5 851	127 497	1 181 276	523 887	1 708 282	30 073
336412	Aircraft engine and engine parts manufacturing . . . . .	9	3	1	e	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing . . . . .	—	5	4	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing . . . . .	—	12	8	4 184	227 964	1 150	2 879	60 923	1 016 487	354 694	1 369 773	19 754
33651	Railroad rolling stock manufacturing . . . . .	1	32	21	3 961	228 706	2 199	4 694	112 936	747 790	972 038	1 705 901	11 939
336510	Railroad rolling stock manufacturing . . . . .	1	32	21	3 961	228 706	2 199	4 694	112 936	747 790	972 038	1 705 901	11 939

**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	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>ILLINOIS—Con.</b>													
336	Transportation equipment manufacturing—Con.												
3366	Ship and boat building .....	—	14	4	1 032	31 313	782	1 532	24 295	77 865	113 646	191 511	D
33661	Ship and boat building .....	—	14	4	1 032	31 313	782	1 532	24 295	77 865	113 646	191 511	D
336612	Boat building .....	—	12	3	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	1	29	5	597	22 305	343	677	8 881	49 619	44 698	93 039	D
33699	Other transportation equipment manufacturing .....	1	29	5	597	22 305	343	677	8 881	49 619	44 698	93 039	D
336991	Motorcycle, bicycle, and parts manufacturing .....	1	7	2	211	7 983	147	317	3 825	18 588	16 084	34 163	D
336999	All other transportation equipment manufacturing ..	1	22	3	386	14 322	196	360	5 056	31 031	28 614	58 876	D
337	Furniture and related product manufacturing .....	2	'872	'192	'21 169	'653 722	'16 166	'32 758	'415 644	'1 623 664	'1 296 307	'2 924 744	'47 157
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	2	'629	101	'9 575	'278 682	'7 646	'15 321	'191 093	'660 928	'471 665	'1 132 651	'22 626
33711	Wood kitchen cabinet and countertop manufacturing ....	2	'347	43	'4 715	'146 025	'3 669	'7 509	'99 218	'313 242	'194 116	'506 632	'8 794
337110	Wood kitchen cabinet and countertop manufacturing ..	2	'347	43	'4 715	'146 025	'3 669	'7 509	'99 218	'313 242	'194 116	'506 632	'8 794
33712	Household and institutional furniture manufacturing .....	2	282	58	4 860	132 657	3 977	7 812	91 875	347 686	277 549	626 019	13 832
337121	Upholstered household furniture manufacturing ....	1	84	20	1 171	29 150	996	1 876	22 221	94 870	90 089	184 392	3 668
337122	Nonupholstered wood household furniture manufacturing .....	4	136	14	1 574	37 038	1 354	2 641	28 851	77 314	72 980	151 482	2 536
337124	Metal household furniture manufacturing .....	—	8	4	399	10 865	355	790	8 536	44 446	25 322	70 368	1 766
337127	Institutional furniture manufacturing .....	2	39	16	1 359	45 434	1 012	1 974	26 839	114 018	76 525	190 293	5 493
337129	Wood television, radio, and sewing machine cabinet manufacturing .....	2	9	4	323	9 079	234	484	4 974	15 068	9 773	24 654	290
3372	Office furniture (including fixtures) manufacturing .....	1	'187	'78	'9 404	'307 108	'7 025	'14 706	'187 101	'765 517	'574 914	'1 336 083	'19 574
33721	Office furniture (including fixtures) manufacturing .....	1	'187	'78	'9 404	'307 108	'7 025	'14 706	'187 101	'765 517	'574 914	'1 336 083	'19 574
337211	Wood office furniture manufacturing .....	4	24	7	672	24 259	513	1 076	15 315	61 713	32 850	86 885	D
337212	Custom architectural woodwork and millwork manufacturing .....	2	'56	'19	'1 187	'51 757	'757	'1 496	'27 028	'107 132	'63 879	'168 165	'2 805
337214	Office furniture (except wood) manufacturing .....	—	10	4	1 024	33 495	806	1 692	19 795	76 056	53 621	131 182	D
337215	Showcase, partition, shelving, and locker manufacturing .....	—	97	48	6 521	197 597	4 949	10 442	124 963	520 616	424 564	949 851	11 612
3379	Other furniture related product manufacturing .....	3	56	13	2 190	67 932	1 495	2 731	37 450	197 219	249 728	456 010	4 957
33791	Mattress manufacturing .....	1	28	8	830	30 915	624	1 245	19 585	88 770	78 481	167 221	2 245
337910	Mattress manufacturing .....	1	28	8	830	30 915	624	1 245	19 585	88 770	78 481	167 221	2 245
33792	Blind and shade manufacturing .....	4	28	5	1 360	37 017	871	1 486	17 865	108 449	171 247	288 789	2 712
337920	Blind and shade manufacturing .....	4	28	5	1 360	37 017	871	1 486	17 865	108 449	171 247	288 789	2 712
339	Miscellaneous manufacturing .....	2	'1 345	'323	'32 929	'1 222 655	'20 493	'39 265	'552 886	'3 231 934	'2 153 552	'5 407 120	'182 918
3391	Medical equipment and supplies manufacturing .....	2	491	82	8 620	316 538	5 555	11 044	153 405	756 054	375 211	1 130 885	58 081
33911	Medical equipment and supplies manufacturing .....	2	491	82	8 620	316 538	5 555	11 044	153 405	756 054	375 211	1 130 885	58 081
339111	Laboratory apparatus and furniture manufacturing ....	—	13	8	655	30 384	336	736	10 974	70 030	37 957	108 846	D
339112	Surgical and medical instrument manufacturing ..	1	44	15	1 503	55 186	967	2 003	28 283	163 029	70 195	231 882	18 906
339113	Surgical appliance and supplies manufacturing ....	5	62	22	2 218	79 019	1 625	3 323	36 279	184 321	107 812	290 528	10 215
339114	Dental equipment and supplies manufacturing ....	—	48	8	1 316	55 991	624	1 197	20 383	175 945	96 856	275 988	10 305
339115	Ophthalmic goods manufacturing .....	2	24	6	965	37 474	567	1 069	16 036	64 818	40 467	103 986	D
339116	Dental laboratories .....	3	300	23	1 963	58 484	1 436	2 716	41 450	97 911	21 924	119 655	3 153
3399	Other miscellaneous manufacturing .....	2	'854	'241	'24 309	'906 117	'14 938	'28 221	'399 481	'2 475 880	'1 778 341	'4 276 235	'124 837
33991	Jewelry and silverware manufacturing .....	3	67	16	1 163	35 046	739	1 321	17 300	87 822	99 786	184 079	2 610
339911	Jewelry (except costume) manufacturing .....	3	41	10	763	23 718	450	818	11 146	65 082	90 203	151 764	1 903
339912	Silverware and hollowware manufacturing .....	1	7	3	251	6 466	180	300	3 763	11 155	7 250	18 404	D
339914	Costume jewelry and novelty manufacturing .....	7	17	3	c	D	D	D	D	D	D	D	451
33992	Sporting and athletic goods manufacturing .....	—	'75	'21	'2 488	'99 142	'1 430	'2 626	'30 530	'412 276	'246 408	'667 718	'11 895
339920	Sporting and athletic goods manufacturing .....	—	'75	'21	'2 488	'99 142	'1 430	'2 626	'30 530	'412 276	'246 408	'667 718	'11 895

**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>ILLINOIS—Con.</b>													
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
33993	Doll, toy, and game manufacturing . . . . .	2	43	10	917	33 788	553	990	12 892	97 571	126 749	233 801	10 993
339932	Game, toy, and children's vehicle manufacturing . . . . .	1	35	9	865	32 526	510	917	11 869	101 172	122 504	224 676	10 859
33994	Office supplies (except paper) manufacturing . . . . .	5	47	14	1 984	76 895	1 163	2 307	30 340	398 704	233 432	631 743	13 800
339941	Pen and mechanical pencil manufacturing . . . . .	9	3	2	f	D	D	D	D	D	D	D	D
339942	Lead pencil and art good manufacturing . . . . .	2	12	8	895	31 126	575	1 118	15 306	149 681	128 994	278 577	8 147
339943	Marking device manufacturing . . . . .	1	29	4	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing . . . . .	3	'247	'62	'4 885	'191 384	'2 836	'5 431	'82 653	'409 567	'305 282	'711 725	'14 573
339950	Sign manufacturing . . . . .	3	'247	'62	'4 885	'191 384	'2 836	'5 431	'82 653	'409 567	'305 282	'711 725	'14 573
33999	All other miscellaneous manufacturing . . . . .	1	'375	'118	'12 872	'469 862	'8 217	'15 546	'225 766	'1 069 940	'766 684	'1 847 169	'70 966
339991	Gasket, packing, and sealing device manufacturing . . . . .	—	37	18	3 792	150 591	2 649	4 722	83 107	246 062	247 916	497 652	14 630
339992	Musical instrument manufacturing . . . . .	1	31	11	679	22 127	505	976	13 151	46 698	29 006	76 849	D
339993	Fastener, button, needle, and pin manufacturing . . . . .	—	7	2	c	D	D	D	D	D	D	D	97
339994	Broom, brush, and mop manufacturing . . . . .	1	20	13	1 447	52 445	917	1 849	25 726	141 787	69 625	212 621	7 010
339999	All other miscellaneous manufacturing . . . . .	2	'277	'73	'6 755	'236 285	'4 031	'7 764	'100 621	'597 194	'409 175	'1 010 998	'48 294

<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 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>CAPE GIRARDEAU-SIKESTON-JACKSON, MO-IL COMBINED STATISTICAL AREA</b>												
31-33	Manufacturing .....	-	205	70	8 413	272 927	6 869	13 474	197 952	1 711 193	1 352 503	3 050 230	193 587
311	Food manufacturing .....	-	15	6	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	7	5	4	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	9	3	2	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	25	9	674	17 435	561	1 002	11 803	31 068	42 094	72 689	2 930
3219	Other wood product manufacturing .....	4	14	6	f	D	D	D	D	D	D	D	D
32191	Millwork .....	6	7	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	3	3	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
325	Chemical manufacturing .....	-	4	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	8	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	6	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	19	7	564	19 494	446	900	14 275	89 202	50 766	138 868	3 343
3273	Cement and concrete product manufacturing .....	-	16	5	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	25	6	f	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing ..	-	3	3	e	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing ..	-	3	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	6	21	7	f	D	D	D	D	D	D	D	3 537
3362	Motor vehicle body and trailer manufacturing .....	2	12	4	e	D	D	D	D	D	D	D	774
33621	Motor vehicle body and trailer manufacturing .....	2	12	4	e	D	D	D	D	D	D	D	774
3363	Motor vehicle parts manufacturing .....	9	5	1	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	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>CAPE GIRARDEAU-SIKESTON-JACKSON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
<b>Cape Girardeau-Jackson, MO-IL Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	129	39	5 818	196 184	4 751	9 897	141 876	1 423 043	1 040 000	2 451 593	178 232
315	Apparel manufacturing .....	9	3	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	9	3	2	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	2	2	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
325	Chemical manufacturing .....	—	3	3	257	10 679	206	413	7 108	28 267	44 952	76 022	D
326	Plastics and rubber products manufacturing .....	1	6	3	480	19 114	328	751	10 048	69 900	80 556	150 348	5 426
3261	Plastics product manufacturing ..	—	4	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	—	14	5	494	17 485	399	796	12 972	85 919	46 067	131 092	2 973
3273	Cement and concrete product manufacturing .....	—	12	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	13	2	f	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	7	3	420	13 991	311	700	7 305	33 669	30 497	59 749	D
3359	Other electrical equipment and component manufacturing .....	2	3	3	402	13 074	304	687	7 080	31 940	26 293	53 920	D
336	Transportation equipment manufacturing .....	7	9	3	543	17 778	438	871	13 675	36 679	47 191	84 835	2 763
3363	Motor vehicle parts manufacturing .....	9	5	1	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
<b>Sikeston, MO Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	76	31	2 595	76 743	2 118	3 577	56 076	288 150	312 503	598 637	15 355
311	Food manufacturing .....	—	5	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	6	5	435	11 938	345	582	7 536	18 875	24 876	43 409	827
3219	Other wood product manufacturing .....	2	4	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>CAPE GIRARDEAU-SIKESTON-JACKSON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
<b>Sikeston, MO Micropolitan Statistical Area—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing . . . . .	2	12	4	e	D	D	D	D	D	D	D	774
3362	Motor vehicle body and trailer manufacturing . . . . .	2	12	4	e	D	D	D	D	D	D	D	774
33621	Motor vehicle body and trailer manufacturing . . . . .	2	12	4	e	D	D	D	D	D	D	D	774
<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
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

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>												
311	Food manufacturing—Con.												
3116	Animal slaughtering and processing .....	1	125	76	j	D	D	D	D	D	D	D	
31161	Animal slaughtering and processing .....	1	125	76	j	D	D	D	D	D	D	D	
311611	Animal (except poultry) slaughtering .....	1	38	22	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	441	115	j	D	D	D	D	D	D	D	
31181	Bread and bakery product manufacturing .....	1	387	86	j	D	D	D	D	D	D	D	
311811	Retail bakeries .....	4	298	40	h	D	D	D	D	D	D	D	
311812	Commercial bakeries .....	—	77	37	i	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	
31182	Cookie, cracker, and pasta manufacturing .....	1	42	21	i	D	D	D	D	D	D	D	
311821	Cookie and cracker manufacturing .....	1	21	13	h	D	D	D	D	D	D	D	
311822	Flour mixes and dough manufacturing from purchased flour .....	2	10	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	161	67	i	D	D	D	D	D	D	D	
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	35	24	h	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	
311942	Spice and extract manufacturing .....	3	24	18	g	D	D	D	D	D	D	D	
31199	All other food manufacturing .....	3	93	31	h	D	D	D	D	D	D	13 974	
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	
312	Beverage and tobacco product manufacturing .....	1	35	17	h	D	D	D	D	D	D	D	
3121	Beverage manufacturing .....	2	34	16	g	D	D	D	D	D	D	D	
31211	Soft drink and ice manufacturing .....	—	23	14	g	D	D	D	D	D	D	D	
312111	Soft drink manufacturing .....	—	14	10	g	D	D	D	D	D	D	D	
31214	Distilleries .....	9	2	1	e	D	D	D	D	D	D	D	
312140	Distilleries .....	9	2	1	e	D	D	D	D	D	D	D	
3122	Tobacco manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	
31222	Tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	
312229	Other tobacco product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	
313	Textile mills .....	4	51	10	f	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	
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	

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>												
314	Textile product mills .....	2	211	45	h	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	1	107	19	g	D	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	—	104	18	g	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills .....	1	84	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	104	26	g	D	D	D	D	D	D	D	D
31491	Textile bag and canvas mills .....	2	43	12	g	D	D	D	D	D	D	D	D
314912	Canvas and related product mills .....	2	39	11	f	D	D	D	D	D	D	D	D
31499	All other textile product mills .....	4	61	14	g	D	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	D
315	Apparel manufacturing .....	5	175	41	h	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	6	118	31	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 .....	7	25	11	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
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing .....	9	4	1	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	49	7	f	D	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	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
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	256	81	i	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 .....	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

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>													
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
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

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>												
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
3259	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	D
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

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>												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing ..	1	'646	'380	k	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	
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	
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	
326121	Un laminated plastics profile shape manufacturing ..	—	34	16	g	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	
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	—	14	4	f	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	
326160	Plastics bottle manufacturing ..	—	20	16	g	D	D	D	D	D	D	D	
32619	Other plastics product manufacturing ..	1	'445	'264	k	D	D	D	D	D	D	D	
326191	Plastics plumbing fixture manufacturing ..	—	13	11	f	D	D	D	D	D	D	D	
326192	Resilient floor covering manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	
326199	All other plastics product manufacturing ..	1	'431	'252	k	D	D	D	D	D	D	D	
3262	Rubber product manufacturing ..	1	'74	'40	h	D	D	D	D	D	D	D	
32621	Tire manufacturing ..	—	13	5	e	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	
326220	Rubber and plastics hoses and belting manufacturing ..	5	11	7	f	D	D	D	D	D	D	D	
32629	Other rubber product manufacturing ..	1	'50	'28	h	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	
327	Nonmetallic mineral product manufacturing ..	1	'405	173	j	D	D	D	D	D	D	D	
3271	Clay product and refractory manufacturing ..	1	53	17	g	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	
327113	Porcelain electrical supply manufacturing ..	1	8	3	e	D	D	D	D	D	D	D	
32712	Clay building material and refractories manufacturing ..	1	28	11	f	D	D	D	D	D	D	D	
327124	Clay refractory manufacturing ..	2	10	5	e	D	D	D	D	D	D	8 111	
327125	Nonclay refractory manufacturing ..	—	9	6	e	D	D	D	D	D	D	D	
3272	Glass and glass product manufacturing ..	2	65	17	g	D	D	D	D	D	D	D	
32721	Glass and glass product manufacturing ..	2	65	17	g	D	D	D	D	D	D	D	
327213	Glass container manufacturing ..	3	2	2	f	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	

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>												
327	Nonmetallic mineral product manufacturing—Con.												
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
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

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>												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing—Con.												
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying .....	3	21	4	f	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	
3315	Foundries .....	1	118	60	i	D	D	D	D	D	D	32 872	
33151	Ferrous metal foundries .....	2	36	18	h	D	D	D	D	D	D	7 895	
331511	Iron foundries .....	1	20	10	g	D	D	D	D	D	D	D	
331512	Steel investment foundries ..	—	4	4	g	D	D	D	D	D	D	D	
331513	Steel foundries (except investment) .....	5	12	4	f	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
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	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 .....	—	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

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.												
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
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

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>												
333	Machinery manufacturing—Con.												
3332	Industrial machinery manufacturing .....	1	'216	'77	i	D	D	D	D	D	D	D	
33322	Plastics and rubber industry machinery manufacturing ....	—	29	8	g	D	D	D	D	D	D	D	
333220	Plastics and rubber industry machinery manufacturing ..	—	29	8	g	D	D	D	D	D	D	D	
33329	Other industrial machinery manufacturing .....	2	'181	'68	i	D	D	D	D	D	D	D	
333292	Textile machinery manufacturing .....	1	9	2	e	D	D	D	D	D	D	281	
333293	Printing machinery and equipment manufacturing ..	2	58	26	g	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	
3333	Commercial and service industry machinery manufacturing .....	2	'113	'47	i	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	
333311	Automatic vending machine manufacturing .....	—	7	2	f	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	
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	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	78	43	h	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	
333411	Air purification equipment manufacturing .....	2	28	14	g	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	
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	10	4	f	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	
33351	Metalworking machinery manufacturing .....	3	'654	'142	j	D	D	D	D	D	D	D	
333511	Industrial mold manufacturing .....	1	213	42	h	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	
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	
333515	Cutting tool and machine tool accessory manufacturing ...	3	127	22	g	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
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	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>												
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing .....	1	'364	'148	j	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	—	'38	'24	h	D	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	5 831
333912	Air and gas compressor manufacturing .....	—	'20	'10	g	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	1	73	30	h	D	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	422
333922	Conveyor and conveying equipment manufacturing ..	2	45	16	g	D	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	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	253	94	i	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	3	13	9	e	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing .....	2	48	18	g	D	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	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
333999	All other miscellaneous general purpose machinery manufacturing .....	5	132	37	h	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	'611	258	k	D	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	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 .....	—	74	35	j	D	D	D	D	D	D	D	D
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 .....	—	28	12	g	D	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	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 .....	—	19	9	g	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	—	19	9	g	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	—	19	9	g	D	D	D	D	D	D	D	D
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

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—Con.												
33441	Semiconductor and other electronic component manufacturing—Con.												
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	Prerecorded 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
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

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>												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3353	Electrical equipment manufacturing—Con.												
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
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

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>												
336	Transportation equipment manufacturing—Con.												
3364	Aerospace product and parts manufacturing .....	4	9	6	f	D	D	D	D	D	D	D	
33641	Aerospace product and parts manufacturing .....	4	9	6	f	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	
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
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

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>													
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing .....	2	'720	'208	j	D	D	D	D	D	D	D	
33991	Jewelry and silverware manufacturing .....	4	64	16	f	D	D	D	D	D	D	D	
339911	Jewelry (except costume) manufacturing .....	4	39	10	f	D	D	D	D	D	D	D	
339912	Silverware and hollowware manufacturing .....	1	6	3	e	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	
339920	Sporting and athletic goods manufacturing .....	—	'56	'11	'1 538	'75 075	'650	'1 276	'16 472	'296 251	'180 018	'476 489	
33993	Doll, toy, and game manufacturing .....	2	37	9	f	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	
33994	Office supplies (except paper) manufacturing .....	5	41	13	g	D	D	D	D	D	D	D	
339941	Pen and mechanical pencil manufacturing .....	9	2	1	f	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	
339943	Marking device manufacturing .....	—	25	3	e	D	D	D	D	D	D	D	
33995	Sign manufacturing .....	3	'197	'53	h	D	D	D	D	D	D	D	
339950	Sign manufacturing .....	3	'197	'53	h	D	D	D	D	D	D	D	
33999	All other miscellaneous manufacturing .....	1	'325	'106	j	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	
339992	Musical instrument manufacturing .....	2	26	13	952	29 707	719	1 398	19 758	61 753	37 520	102 912	
339994	Broom, brush, and mop manufacturing .....	2	15	10	g	D	D	D	D	D	D	D	
339999	All other miscellaneous manufacturing .....	2	'242	'67	i	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	
31111	Animal food manufacturing .....	3	22	7	e	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	
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	
311211	Flour milling .....	—	4	3	e	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	
311230	Breakfast cereal manufacturing .....	—	4	3	g	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
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	
311423	Dried and dehydrated food manufacturing .....	4	8	3	g	D	D	D	D	D	D	4 217	

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.												
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 . . . . .	—	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	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	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	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 . . . . .	1	379	84	j	D	D	D	D	D	D	D	D
311811	Retail bakeries . . . . .	4	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	D
31182	Cookie, cracker, and pasta manufacturing . . . . .	1	40	20	i	D	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	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	'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	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	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	5 558
311942	Spice and extract manufacturing . . . . .	3	24	18	g	D	D	D	D	D	D	D	13 974
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
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

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>												
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
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

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>													
321	Wood product manufacturing—Con.												
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
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

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>													
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
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

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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing—Con.												
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 un laminated 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	Un laminated 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 . . . . .	—	41	19	1 884	64 600	1 494	2 853	43 202	138 664	142 179	279 303	17 574
326121	Un laminated 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
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

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>												
327	Nonmetallic mineral product manufacturing—Con.												
3271	Clay product and refractory manufacturing—Con.												
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
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

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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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<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>													
331	Primary metal manufacturing—Con.												
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, 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
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

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332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing—Con.												
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
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

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332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing—Con.												
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
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

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>												
333	Machinery manufacturing—Con.												
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
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

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>												
334	Computer and electronic product manufacturing—Con.												
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
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	36	15	1 465	65 870	649	1 224	21 152	140 161	94 865	238 175	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	'18	7	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	-	13	4	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

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>												
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.												
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	Prerecorded 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	'369	171	'24 051	'952 313	'15 333	'30 753	'456 390	'2 727 196	'2 099 329	'4 843 093	118 262
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
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	'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

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>												
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
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

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>												
337	Furniture and related product manufacturing—Con.												
3371	Household and institutional furniture and kitchen cabinet manufacturing—Con.												
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 surgical 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
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

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>												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
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
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

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>												
311	Food manufacturing—Con.												
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
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

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>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
314	Textile product mills—Con.												
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
321	Wood product manufacturing . . . . .	3	206	64	h	D	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	D
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	19	9	f	D	D	D	D	D	D	D	D
321214	Truss manufacturing . . . . .	—	8	6	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing . . . . .	3	178	53	h	D	D	D	D	D	D	D	D
32191	Millwork . . . . .	4	79	25	g	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing . . . . .	4	34	11	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring) . . . . .	4	41	13	f	D	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	D
321920	Wood container and pallet manufacturing . . . . .	1	54	18	988	27 121	752	1 454	16 345	61 013	57 655	118 208	D
32199	All other wood product manufacturing . . . . .	2	45	10	f	D	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	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>												
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	D
3221	Pulp, paper, and paperboard mills .....	—	6	6	f	D	D	D	D	D	D	D	D
32212	Paper mills .....	—	4	4	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	4	4	e	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	243	154	j	D	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	D
322211	Corrugated and solid fiber box manufacturing .....	1	85	65	i	D	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	D
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 .....	—	3	2	e	D	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	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	33	19	2 101	87 998	1 324	2 710	43 477	270 148	266 075	540 635	D
322223	Plastics, foil, and coated paper bag manufacturing .....	—	1	1	e	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 .....	—	26	16	1 621	57 951	1 231	2 606	39 050	128 053	128 716	257 233	D
322232	Envelope manufacturing .....	—	15	12	g	D	D	D	D	D	D	9 168	D
32229	Other converted paper product manufacturing .....	2	27	12	f	D	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	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	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	D
323118	Blankbook, looseleaf binders, and devices manufacturing .....	2	25	13	f	D	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	'2 376
32312	Support activities for printing .....	3	'185	'62	'4 719	'189 476	'3 565	'7 115	'119 565	'375 192	'106 907	'480 231	'19 197
323121	Tradebinding and related work .....	3	69	31	2 589	76 409	2 148	4 358	50 789	151 606	34 042	185 608	4 973
323122	Prepress services .....	3	'116	'31	'2 130	'113 067	'1 417	'2 757	'68 776	'223 586	'72 865	'294 623	'14 224
324	Petroleum and coal products manufacturing .....	—	54	26	h	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	54	26	h	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	6	4	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	6	4	g	D	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	D
324121	Asphalt paving mixture and block manufacturing .....	—	16	7	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing .....	—	9	4	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	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>												
324	Petroleum and coal products manufacturing—Con.												
3241	Petroleum and coal products manufacturing—Con.												
32419	Other petroleum and coal products manufacturing .....	3	23	11	904	50 776	497	1 003	21 760	324 003	268 227	584 971	D
324191	Petroleum lubricating oil and grease manufacturing .....	3	20	9	f	D	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	267 584
3251	Basic chemical manufacturing ...	3	65	29	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
32518	Other basic inorganic chemical manufacturing .....	2	22	14	1 050	63 181	625	1 132	34 914	276 871	187 559	461 977	D
325188	All other basic inorganic chemical manufacturing ....	2	21	13	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	4	28	10	g	D	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	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	38	30	g	D	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	D
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	D
3254	Pharmaceutical and medicine manufacturing .....	1	35	16	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	1	35	16	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	1	21	10	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	108	52	h	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	84	40	h	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing .....	—	84	40	h	D	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	D
325520	Adhesive manufacturing ....	—	24	12	1 177	53 992	659	1 358	23 811	188 273	200 784	390 934	D
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	D
32561	Soap and cleaning compound manufacturing .....	—	74	25	h	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing .....	—	35	10	g	D	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	D
325613	Surface active agent manufacturing .....	—	10	6	g	D	D	D	D	D	D	D	15 428
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

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**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>												
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 un laminated 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	Un laminated 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 un laminated profile shape manufacturing .....	—	33	16	g	D	D	D	D	D	D	D	17 099
326121	Un laminated 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
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

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**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>												
327	Nonmetallic mineral product manufacturing—Con.												
3273	Cement and concrete product manufacturing—Con.												
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
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

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>												
331	Primary metal manufacturing—Con.												
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
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

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>												
332	Fabricated metal product manufacturing—Con.												
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
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

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>												
333	Machinery manufacturing—Con.												
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
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

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)
			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>												
333	Machinery manufacturing—Con.												
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
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

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>												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing—Con.												
33441	Semiconductor and other electronic component manufacturing—Con.												
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	1490	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
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

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>													
335	Electrical equipment, appliance, and component manufacturing—Con.													
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
33632	Motor vehicle electrical and electronic equipment manufacturing .....	1	46	20	g	D	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	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	1	39	15	g	D	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

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>											
336	Transportation equipment manufacturing—Con.											
3363	Motor vehicle parts manufacturing—Con.											
33635	Motor vehicle transmission and power train parts manufacturing . . . . .	—	19	9	g	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
33636	Motor vehicle seating and interior trim manufacturing . . . . .	1	5	3	f	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
33637	Motor vehicle metal stamping . . . . .	—	44	28	6 875	267 854	5 566	7 414	196 009	604 379	698 137	1 282 660
336370	Motor vehicle metal stamping . . . . .	—	44	28	6 875	267 854	5 566	7 414	196 009	604 379	698 137	1 282 660
33639	Other motor vehicle parts manufacturing . . . . .	4	36	16	1 229	39 517	977	2 006	26 748	102 088	107 846	209 837
336399	All other motor vehicle parts manufacturing . . . . .	4	34	15	g	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing . . . . .	4	8	6	f	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing . . . . .	4	8	6	f	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
3365	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737
33651	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737
336510	Railroad rolling stock manufacturing . . . . .	—	24	17	3 006	191 780	1 569	3 336	91 970	651 739	869 717	1 507 737
337	Furniture and related product manufacturing . . . . .	2	'546	'132	j	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
33711	Wood kitchen cabinet and countertop manufacturing . . . . .	4	'187	22	g	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
33712	Household and institutional furniture manufacturing . . . . .	2	183	39	h	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
337122	Nonupholstered wood household furniture manufacturing . . . . .	6	71	8	g	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing . . . . .	2	29	11	f	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
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
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
337211	Wood office furniture manufacturing . . . . .	6	19	6	f	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing . . . . .	2	'36	'16	g	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
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
3379	Other furniture related product manufacturing . . . . .	2	41	9	f	D	D	D	D	D	D	D
33791	Mattress manufacturing . . . . .	1	18	7	f	D	D	D	D	D	D	D
337910	Mattress manufacturing . . . . .	1	18	7	f	D	D	D	D	D	D	D
33792	Blind and shade manufacturing . . . . .	7	23	2	e	D	D	D	D	D	D	D
337920	Blind and shade manufacturing . . . . .	7	23	2	e	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>												
	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Chicago-Naperville-Joliet, IL Metropolitan Division—Con.</b>												
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 hollowware 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
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

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)				
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	<b>Chicago-Naperville-Joliet, IL-IN-WI Metropolitan Statistical Area—Con.</b>												
	<b>Gary, IN Metropolitan Division—Con.</b>												
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
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

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>												
331	Primary metal manufacturing—Con.												
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
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

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>												
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
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

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>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
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
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 unlaminated 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

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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>													
326	Plastics and rubber products manufacturing—Con.													
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	D
327390	Other concrete product manufacturing . . . . .	—	3	1	e	D	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	D
33152	Nonferrous metal foundries . . . . .	—	6	3	f	D	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries . . . . .	—	4	3	f	D	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	D	6 651
33211	Forging and stamping . . . . .	2	15	8	f	D	D	D	D	D	D	D	D	6 651
332116	Metal stamping . . . . .	2	10	7	f	D	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	D
332214	Kitchen utensil, pot, and pan manufacturing . . . . .	—	1	1	e	D	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing . . . . .	—	30	7	f	D	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	D
3324	Boiler, tank, and shipping container manufacturing . . . . .	3	6	4	f	D	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	D
332439	Other metal container manufacturing . . . . .	—	2	1	e	D	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	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	D
332722	Bolt, nut, screw, rivet, and washer manufacturing . . . . .	—	8	6	e	D	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

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>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
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
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

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>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
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
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

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>Lake County-Kenosha County, IL-WI Metropolitan Division—Con.</b>												
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
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

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>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
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

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>Michigan City-La Porte, IN Metropolitan Statistical Area—Con.</b>													
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>PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	137	47	7 008	304 052	4 803	10 159	187 399	898 770	1 000 119	1 940 496	62 129
311	Food manufacturing .....	1	14	6	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	3	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	3	2	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	—	1	1	f	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
325	Chemical manufacturing .....	—	4	3	1 892	118 070	990	1 978	58 835	367 918	433 201	799 690	D
3251	Basic chemical manufacturing ...	—	3	2	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing ....	—	3	2	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	7	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	—	1	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	8	16	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	4	30	13	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	16	5	e	D	D	D	D	D	D	D	D
<b>Mayfield, KY Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	54	15	2 833	90 268	2 188	4 847	69 383	256 844	293 430	566 232	23 937
311	Food manufacturing .....	1	4	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	2	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	—	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.]

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>PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA—Con.</b>													
<b>Mayfield, KY Micropolitan Statistical Area—Con.</b>													
326	Plastics and rubber products manufacturing .....	—	4	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>Paducah, KY-IL Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	83	32	4 175	213 784	2 615	5 312	118 016	641 926	706 689	1 374 264	38 192
311	Food manufacturing .....	2	10	4	342	11 618	221	499	5 701	33 191	25 137	58 370	4 389
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
325	Chemical manufacturing .....	—	4	3	1 892	118 070	990	1 978	58 835	367 918	433 201	799 690	D
3251	Basic chemical manufacturing ...	—	3	2	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing ....	—	3	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	19	9	468	15 946	374	728	10 117	28 726	25 133	55 873	717
<b>PEORIA-CANTON, IL COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	388	152	j	D	D	D	D	D	D	D	207 195
311	Food manufacturing .....	2	29	14	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	5	4	3	e	D	D	D	D	D	D	D	3 311
31142	Fruit and vegetable canning, pickling, and drying .....	5	4	3	e	D	D	D	D	D	D	D	3 311
3118	Bakeries and tortilla manufacturing .....	—	11	5	906	27 078	549	683	15 152	74 305	37 170	111 436	2 438
31181	Bread and bakery product manufacturing .....	—	9	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	1	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	18	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	5	3	349	12 505	293	585	9 663	31 700	29 375	60 249	2 146
3222	Converted paper product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	56	17	g	D	D	D	D	D	D	D	3 025
3231	Printing and related support activities .....	3	56	17	g	D	D	D	D	D	D	D	3 025
32311	Printing .....	3	53	17	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	3	26	11	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	25	13	1 513	75 925	1 039	2 601	48 524	783 530	879 933	1 675 175	50 418
3251	Basic chemical manufacturing ...	—	12	9	1 005	52 316	671	1 606	32 086	441 221	650 500	1 082 268	40 203
32519	Other basic organic chemical manufacturing .....	—	8	7	896	47 345	614	1 518	30 076	422 786	642 983	1 056 283	39 263
325193	Ethyl alcohol manufacturing .	—	3	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	3	5	4	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	9	3	1	e	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
325613	Surface active agent 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.**

[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>PEORIA-CANTON, IL COMBINED STATISTICAL AREA—Con.</b>												
326	Plastics and rubber products manufacturing .....	1	10	5	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	7	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	5	5	336	12 836	224	405	5 489	7 656	49 091	60 264	1 736
326199	All other plastics product manufacturing .....	1	5	5	336	12 836	224	405	5 489	7 656	49 091	60 264	1 736
327	Nonmetallic mineral product manufacturing .....	2	24	6	e	D	D	D	D	D	D	D	3 028
3273	Cement and concrete product manufacturing .....	2	21	5	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	15	12	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	—	3	3	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	—	3	3	g	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	—	2	1	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	1	1	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	9	7	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 .....	—	8	6	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	86	39	h	D	D	D	D	D	D	D	17 185
3323	Architectural and structural metals manufacturing .....	2	18	13	1 728	58 639	1 324	2 446	43 148	162 142	120 210	280 797	6 029
33231	Plate work and fabricated structural product manufacturing .....	4	9	5	607	21 597	446	882	17 407	81 889	60 091	143 319	3 271
332312	Fabricated structural metal manufacturing .....	7	7	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	—	9	8	1 121	37 042	878	1 564	25 741	80 253	60 119	137 478	2 758
332322	Sheet metal work manufacturing .....	—	9	8	1 121	37 042	878	1 564	25 741	80 253	60 119	137 478	2 758
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	49	19	g	D	D	D	D	D	D	D	7 443
33271	Machine shops .....	1	44	16	g	D	D	D	D	D	D	D	D
332710	Machine shops .....	1	44	16	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	—	8	2	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	27	14	i	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	13	5	h	D	D	D	D	D	D	D	48 870
33311	Agricultural implement manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	3	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	9	4	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	9	4	h	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	2	2	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	2	2	h	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	2	2	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.]

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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>PEORIA-CANTON, IL COMBINED STATISTICAL AREA—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing .....	4	11	5	453	18 506	273	581	8 099	33 934	26 146	60 102	723
3353	Electrical equipment manufacturing .....	1	7	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	1	7	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	—	30	8	585	17 316	481	1 068	13 993	35 851	47 805	85 241	1 536
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	—	24	6	355	9 912	294	642	7 780	23 653	12 811	36 521	D
339	Miscellaneous manufacturing .....	5	26	5	e	D	D	D	D	D	D	D	816
3391	Medical equipment and supplies manufacturing .....	6	16	4	e	D	D	D	D	D	D	D	756
33911	Medical equipment and supplies manufacturing .....	6	16	4	e	D	D	D	D	D	D	D	756
<b>Canton, IL Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	3	21	4	e	D	D	D	D	D	D	D	562
<b>Peoria, IL Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	367	148	20 760	872 665	13 583	27 746	496 313	2 916 341	3 767 513	6 771 614	206 633
311	Food manufacturing .....	2	28	13	1 481	49 425	996	1 695	29 119	167 742	130 237	297 733	6 550
3114	Fruit and vegetable preserving and specialty food manufacturing .....	5	4	3	e	D	D	D	D	D	D	D	3 311
31142	Fruit and vegetable canning, pickling, and drying .....	5	4	3	e	D	D	D	D	D	D	D	3 311
3118	Bakeries and tortilla manufacturing .....	—	11	5	906	27 078	549	683	15 152	74 305	37 170	111 436	2 438
31181	Bread and bakery product manufacturing .....	—	9	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	1	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	15	5	289	7 374	228	467	5 408	24 701	25 752	50 451	588
322	Paper manufacturing .....	—	5	3	349	12 505	293	585	9 663	31 700	29 375	60 249	2 146
3222	Converted paper product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	53	17	1 338	50 599	794	1 468	25 399	97 118	49 843	147 720	3 009
3231	Printing and related support activities .....	3	53	17	1 338	50 599	794	1 468	25 399	97 118	49 843	147 720	3 009
32311	Printing .....	3	50	17	1 329	50 033	786	1 452	25 042	96 440	49 685	146 884	D
323110	Commercial lithographic printing .....	3	25	11	864	33 196	447	854	15 142	60 259	26 627	87 427	1 156
325	Chemical manufacturing .....	1	25	13	1 513	75 925	1 039	2 601	48 524	783 530	879 933	1 675 175	50 418
3251	Basic chemical manufacturing ...	—	12	9	1 005	52 316	671	1 606	32 086	441 221	650 500	1 082 268	40 203
32519	Other basic organic chemical manufacturing .....	—	8	7	896	47 345	614	1 518	30 076	422 786	642 983	1 056 283	39 263
325193	Ethyl alcohol manufacturing .	—	3	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	3	5	4	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	9	3	1	e	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	9	2	1	e	D	D	D	D	D	D	D	D
325613	Surface active agent manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	9	5	377	14 181	244	440	5 963	10 627	52 943	66 669	D
3261	Plastics product manufacturing ..	1	7	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	5	5	336	12 836	224	405	5 489	7 656	49 091	60 264	1 736
326199	All other plastics product manufacturing .....	1	5	5	336	12 836	224	405	5 489	7 656	49 091	60 264	1 736
327	Nonmetallic mineral product manufacturing .....	1	19	6	278	9 695	245	491	7 757	28 085	17 112	44 199	2 706

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>PEORIA-CANTON, IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>Peoria, IL Metropolitan Statistical Area—Con.</b>												
331	Primary metal manufacturing .....	-	14	11	2 711	126 915	2 207	4 479	96 284	262 404	300 201	560 733	33 017
3311	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	-	3	3	g	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	-	2	1	e	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	-	1	1	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	-	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	-	8	6	1 061	51 469	867	1 953	38 753	117 378	84 575	209 028	22 068
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 .....	-	7	5	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	83	38	3 659	128 721	2 668	4 973	82 663	342 238	236 306	582 106	17 109
3323	Architectural and structural metals manufacturing .....	2	18	13	1 728	58 639	1 324	2 446	43 148	162 142	120 210	280 797	6 029
33231	Plate work and fabricated structural product manufacturing .....	4	9	5	607	21 597	446	882	17 407	81 889	60 091	143 319	3 271
332312	Fabricated structural metal manufacturing .....	7	7	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	9	8	1 121	37 042	878	1 564	25 741	80 253	60 119	137 478	2 758
332322	Sheet metal work manufacturing .....	-	9	8	1 121	37 042	878	1 564	25 741	80 253	60 119	137 478	2 758
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	46	18	1 163	45 340	860	1 779	29 087	98 623	54 099	153 241	7 367
33271	Machine shops .....	1	42	16	1 066	40 650	805	1 672	27 114	90 544	50 873	141 831	7 107
332710	Machine shops .....	1	42	16	1 066	40 650	805	1 672	27 114	90 544	50 873	141 831	7 107
3329	Other fabricated metal product manufacturing .....	-	8	2	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	-	1	1	e	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	26	13	6 887	336 124	3 556	7 731	150 184	1 040 248	1 926 519	3 038 188	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	13	5	h	D	D	D	D	D	D	D	48 870
33311	Agricultural implement manufacturing .....	-	3	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	3	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	9	4	h	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	9	4	h	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	2	2	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	2	2	h	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	2	2	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	4	11	5	453	18 506	273	581	8 099	33 934	26 146	60 102	723
3353	Electrical equipment manufacturing .....	1	7	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	1	7	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	30	8	585	17 316	481	1 068	13 993	35 851	47 805	85 241	1 536
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	24	6	355	9 912	294	642	7 780	23 653	12 811	36 521	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>PEORIA-CANTON, IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>Peoria, IL Metropolitan Statistical Area—Con.</b>												
339	Miscellaneous manufacturing .....	5	24	5	e	D	D	D	D	D	D	D	816
3391	Medical equipment and supplies manufacturing .....	6	15	4	e	D	D	D	D	D	D	D	756
33911	Medical equipment and supplies manufacturing .....	6	15	4	e	D	D	D	D	D	D	D	756
	<b>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA</b>												
31-33	Manufacturing .....	—	921	320	45 161	1 929 944	31 188	64 351	1 168 298	5 411 282	5 335 444	10 741 809	239 657
311	Food manufacturing .....	—	40	18	4 185	138 283	3 466	6 843	103 138	788 308	803 402	1 586 906	30 691
3113	Sugar and confectionery product manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	1	1	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
3115	Dairy product manufacturing ....	—	11	9	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	10	8	f	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	—	4	3	314	9 290	228	484	6 480	20 586	91 034	113 688	2 678
3116	Animal slaughtering and processing .....	—	3	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	3	2	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
3119	Other food manufacturing .....	4	12	4	e	D	D	D	D	D	D	D	D
31191	Snack food manufacturing ....	6	5	2	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	6	5	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	3	22	9	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	2	18	7	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing .....	2	9	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	8	5	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	6	4	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	61	11	1 277	47 172	1 008	2 111	34 436	115 858	60 306	175 561	D
3231	Printing and related support activities .....	—	61	11	1 277	47 172	1 008	2 111	34 436	115 858	60 306	175 561	D
32311	Printing .....	—	58	11	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	1	29	8	e	D	D	D	D	D	D	D	D
323111	Commercial gravure printing ..	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	29	11	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	2	7	3	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	2	7	3	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	2	4	2	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	6	3	453	18 573	317	669	10 127	61 190	86 001	148 257	1 680
325510	Paint and coating manufacturing .....	—	6	3	453	18 573	317	669	10 127	61 190	86 001	148 257	1 680

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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing . . . . .	—	1	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 . . . . .	2	34	14	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing . . . . .	5	28	11	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing . . . . .	3	20	7	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing . . . . .	3	20	7	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing . . . . .	—	6	3	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing . . . . .	—	3	2	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) . . . . .	—	2	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing . . . . .	1	30	11	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing . . . . .	1	24	9	f	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing . . . . .	—	6	3	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing . . . . .	—	6	3	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing . . . . .	1	13	9	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	8	5	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . . . .	—	5	3	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing . . . . .	1	332	100	10 480	408 061	8 259	16 539	282 664	938 705	539 355	1 469 216	D
3321	Forging and stamping . . . . .	1	8	5	e	D	D	D	D	D	D	D	D
33211	Forging and stamping . . . . .	1	8	5	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing . . . . .	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
33221	Cutlery and handtool manufacturing . . . . .	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
332212	Hand and edge tool manufacturing . . . . .	—	8	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing . . . . .	2	31	10	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing . . . . .	4	22	6	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing . . . . .	—	9	4	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing . . . . .	—	6	4	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing . . . . .	—	5	3	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing . . . . .	—	5	3	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing . . . . .	—	5	3	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing . . . . .	—	13	6	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing . . . . .	—	13	6	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing . . . . .	—	10	5	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing . . . . .	1	193	49	5 142	212 136	4 145	8 659	158 705	448 066	282 618	728 053	D
33271	Machine shops . . . . .	2	140	19	1 281	50 178	945	1 736	32 629	90 114	34 625	126 263	D
332710	Machine shops . . . . .	2	140	19	1 281	50 178	945	1 736	32 629	90 114	34 625	126 263	D
33272	Turned product and screw, nut, and bolt manufacturing . . . . .	1	53	30	3 861	161 958	3 200	6 923	126 076	357 952	247 993	601 790	23 209
332721	Precision turned product manufacturing . . . . .	—	28	16	819	31 987	651	1 413	23 368	63 325	37 015	100 437	4 411
332722	Bolt, nut, screw, rivet, and washer manufacturing . . . . .	1	25	14	3 042	129 971	2 549	5 510	102 708	294 627	210 978	501 353	18 798

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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities .....	—	42	12	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	42	12	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	—	24	8	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	1	25	7	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	2	21	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	204	83	10 402	441 396	6 545	12 693	240 258	1 028 573	768 101	1 786 092	40 446
3331	Agriculture, construction, and mining machinery manufacturing .....	1	10	7	g	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
33312	Construction machinery manufacturing .....	2	6	5	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	2	6	5	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	—	19	9	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	—	16	7	g	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	—	5	3	345	15 759	188	372	6 596	28 918	11 600	41 910	D
333294	Food product machinery manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	4	18	7	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	4	18	7	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	4	15	6	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	3	5	5	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	3	5	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 .....	4	4	4	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	101	27	h	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	2	101	27	h	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing .....	1	7	4	e	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	—	28	6	f	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	4	36	8	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	12	11	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	12	11	g	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	—	5	5	1 012	44 603	703	1 358	28 130	103 013	71 918	175 659	D
333618	Other engine equipment manufacturing .....	—	3	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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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing .....	—	39	17	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	—	30	14	g	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	—	9	4	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	12	7	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	—	6	4	253	9 221	153	209	3 082	9 250	6 043	15 908	1 258
33441	Semiconductor and other electronic component manufacturing .....	—	6	4	253	9 221	153	209	3 082	9 250	6 043	15 908	1 258
335	Electrical equipment, appliance, and component manufacturing .....	—	12	8	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	5	4	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	9	4	3	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	9	4	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	28	15	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	—	2	1	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
336111	Automobile manufacturing ...	—	2	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
336214	Travel trailer and camper manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	17	7	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	3	3	285	13 447	227	474	9 028	34 456	22 024	55 966	D
336370	Motor vehicle metal stamping .....	—	3	3	285	13 447	227	474	9 028	34 456	22 024	55 966	D
3364	Aerospace product and parts manufacturing .....	—	5	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	5	4	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing .....	—	4	3	h	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	—	3	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.**

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<b>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
337	Furniture and related product manufacturing .....	3	39	5	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	27	3	e	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	6	21	2	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	6	21	2	e	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	3	3	2	f	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	3	3	2	f	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	3	3	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	39	10	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	1	27	8	e	D	D	D	D	D	D	D	D
<b>Freeport, IL Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	1	65	28	4 858	215 313	3 330	7 719	126 786	515 051	520 590	1 047 178	15 692
311	Food manufacturing .....	2	9	6	594	16 276	463	961	9 951	44 421	105 363	151 635	3 485
3115	Dairy product manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	1	6	4	e	D	D	D	D	D	D	D	D
311513	Cheese manufacturing .....	4	4	3	314	9 290	228	484	6 480	20 586	91 034	113 688	2 678
326	Plastics and rubber products manufacturing .....	—	5	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	—	2	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	13	5	442	15 958	347	617	11 844	54 065	20 220	74 118	2 051
335	Electrical equipment, appliance, and component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
<b>Rochelle, IL Micropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	71	23	4 957	165 005	3 994	8 422	115 432	399 771	539 681	944 564	41 943
311	Food manufacturing .....	—	5	4	1 139	34 449	965	2 248	27 267	81 925	291 214	374 746	3 106
3116	Animal slaughtering and processing .....	—	2	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	2	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	—	2	2	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	7	3	811	29 464	697	1 552	23 950	78 822	41 130	119 339	D
3231	Printing and related support activities .....	—	7	3	811	29 464	697	1 552	23 950	78 822	41 130	119 339	D
32311	Printing .....	—	6	3	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing ..	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries .....	—	1	1	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	—	1	1	e	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries .....	—	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	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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
<b>Rochelle, IL Micropolitan Statistical Area—Con.</b>													
332	Fabricated metal product manufacturing .....	1	15	2	364	11 745	308	609	8 814	21 957	11 550	30 635	D
333	Machinery manufacturing .....	1	15	8	1 555	57 734	1 091	2 108	31 884	158 489	119 553	284 697	7 089
3331	Agriculture, construction, and mining machinery manufacturing .....	1	3	3	920	36 489	617	1 176	19 521	85 153	71 685	163 502	3 977
33311	Agricultural implement manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	5	3	3	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	5	3	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 .....	5	3	3	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
<b>Rockford, IL Metropolitan Statistical Area</b>													
31-33	Manufacturing .....	—	785	269	35 346	1 549 626	23 864	48 210	926 080	4 496 460	4 275 173	8 750 067	182 022
311	Food manufacturing .....	—	26	8	2 452	87 558	2 038	3 634	65 920	661 962	406 825	1 060 525	24 100
3113	Sugar and confectionery product manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	1	1	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
3115	Dairy product manufacturing .....	—	4	4	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	—	3	3	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	16	6	512	11 980	440	843	8 939	29 759	16 330	46 545	D
3219	Other wood product manufacturing .....	3	15	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	—	7	5	367	13 310	315	646	10 229	40 250	53 843	92 967	D
3222	Converted paper product manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	5	4	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	48	7	406	14 724	266	480	8 604	34 209	17 821	52 043	2 771
3231	Printing and related support activities .....	1	48	7	406	14 724	266	480	8 604	34 209	17 821	52 043	2 771
32311	Printing .....	1	46	7	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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>Rockford, IL Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing .....	1	20	9	1 434	63 199	920	1 890	30 435	219 105	251 139	478 629	12 314
3254	Pharmaceutical and medicine manufacturing .....	2	6	3	522	28 699	260	566	9 726	135 584	74 988	214 321	D
32541	Pharmaceutical and medicine manufacturing .....	2	6	3	522	28 699	260	566	9 726	135 584	74 988	214 321	D
325412	Pharmaceutical preparation manufacturing .....	2	3	2	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	6	3	453	18 573	317	669	10 127	61 190	86 001	148 257	1 680
32551	Paint and coating manufacturing .....	—	6	3	453	18 573	317	669	10 127	61 190	86 001	148 257	1 680
325510	Paint and coating manufacturing .....	—	6	3	453	18 573	317	669	10 127	61 190	86 001	148 257	1 680
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	—	1	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 .....	4	25	13	750	24 741	617	1 302	18 484	90 442	77 243	168 608	9 098
3261	Plastics product manufacturing ..	4	21	11	675	22 049	567	1 189	16 905	84 950	72 533	158 628	8 863
32619	Other plastics product manufacturing .....	2	15	7	388	11 703	325	665	8 370	28 663	21 115	49 870	2 397
326199	All other plastics product manufacturing .....	2	15	7	388	11 703	325	665	8 370	28 663	21 115	49 870	2 397
327	Nonmetallic mineral product manufacturing .....	1	21	9	575	27 540	380	851	15 673	78 225	41 449	118 803	4 086
3273	Cement and concrete product manufacturing .....	2	15	7	447	21 554	310	725	13 247	55 895	30 743	86 003	D
331	Primary metal manufacturing .....	1	12	8	391	16 771	286	594	8 977	39 677	90 364	134 894	D
332	Fabricated metal product manufacturing .....	1	306	94	9 876	386 656	7 765	15 578	267 327	888 305	515 653	1 398 264	47 571
3322	Cutlery and handtool manufacturing .....	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
33221	Cutlery and handtool manufacturing .....	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
332212	Hand and edge tool manufacturing .....	—	8	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	3	26	8	390	16 866	280	560	9 984	32 327	26 592	59 391	1 774
33231	Plate work and fabricated structural product manufacturing .....	4	19	6	304	13 504	214	416	7 502	24 670	22 719	47 788	860
3324	Boiler, tank, and shipping container manufacturing .....	—	5	3	304	11 283	230	529	8 665	26 898	15 248	42 149	712
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	11	6	725	25 611	535	1 133	14 598	63 161	33 878	96 956	4 290
33261	Spring and wire product manufacturing .....	—	11	6	725	25 611	535	1 133	14 598	63 161	33 878	96 956	4 290
332618	Other fabricated wire product manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	182	48	5 077	210 205	4 092	8 583	157 372	443 991	281 301	722 646	28 024
33271	Machine shops .....	2	129	18	1 216	48 247	892	1 660	31 296	86 039	33 308	120 856	4 815
332710	Machine shops .....	2	129	18	1 216	48 247	892	1 660	31 296	86 039	33 308	120 856	4 815
33272	Turned product and screw, nut, and bolt manufacturing .....	1	53	30	3 861	161 958	3 200	6 923	126 076	357 952	247 993	601 790	23 209
332721	Precision turned product manufacturing .....	—	28	16	819	31 987	651	1 413	23 368	63 325	37 015	100 437	4 411
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	1	25	14	3 042	129 971	2 549	5 510	102 708	294 627	210 978	501 353	18 798

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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>Rockford, IL Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities .....	-	39	11	856	28 819	711	1 478	20 576	62 061	23 272	85 260	1 467
33281	Coating, engraving, heat treating, and allied activities ..	-	39	11	856	28 819	711	1 478	20 576	62 061	23 272	85 260	1 467
332813	Electroplating, plating, polishing, anodizing, and coloring .....	-	22	7	494	17 014	399	859	11 213	30 847	11 647	42 473	844
3329	Other fabricated metal product manufacturing .....	1	23	7	452	16 390	314	653	9 545	36 154	29 620	64 648	850
33299	All other fabricated metal product manufacturing .....	2	19	5	313	10 246	222	453	6 844	21 075	12 808	33 166	569
333	Machinery manufacturing .....	1	176	70	8 405	367 704	5 107	9 968	196 530	816 019	628 328	1 427 277	31 306
3332	Industrial machinery manufacturing .....	-	18	9	1 138	53 623	690	1 264	27 938	131 107	100 771	236 072	D
33329	Other industrial machinery manufacturing .....	-	16	7	g	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	-	5	3	345	15 759	188	372	6 596	28 918	11 600	41 910	D
333294	Food product machinery manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	4	16	6	729	31 844	394	814	15 545	91 844	81 465	170 078	3 938
33331	Commercial and service industry machinery manufacturing .....	4	16	6	729	31 844	394	814	15 545	91 844	81 465	170 078	3 938
333319	Other commercial and service industry machinery manufacturing .....	4	14	6	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	92	26	2 798	116 561	1 704	3 380	63 019	211 474	157 825	374 018	12 028
33351	Metalworking machinery manufacturing .....	2	92	26	2 798	116 561	1 704	3 380	63 019	211 474	157 825	374 018	12 028
333512	Machine tool (metal cutting types) manufacturing .....	1	7	4	e	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	-	27	6	583	26 313	379	795	14 567	38 758	44 110	83 948	1 084
333515	Cutting tool and machine tool accessory manufacturing...	4	32	7	1 214	44 586	757	1 448	26 777	95 772	57 415	154 881	6 451
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	11	10	1 331	56 957	910	1 702	34 267	131 019	87 804	219 702	6 214
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	11	10	1 331	56 957	910	1 702	34 267	131 019	87 804	219 702	6 214
333613	Mechanical power transmission equipment manufacturing .....	-	5	5	1 012	44 603	703	1 358	28 130	103 013	71 918	175 659	D
3339	Other general purpose machinery manufacturing .....	-	34	15	2 063	91 887	1 262	2 523	50 331	218 476	179 176	375 056	6 430
33399	All other general purpose machinery manufacturing ....	-	27	12	1 858	81 002	1 178	2 355	47 544	206 804	170 656	354 494	6 103
333996	Fluid power pump and motor manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing .....	-	7	3	390	11 704	242	436	7 056	24 266	16 179	39 725	523
334	Computer and electronic product manufacturing .....	-	11	6	351	14 630	204	323	4 784	18 254	15 354	34 757	D
3344	Semiconductor and other electronic component manufacturing .....	-	6	4	253	9 221	153	209	3 082	9 250	6 043	15 908	1 258
33441	Semiconductor and other electronic component manufacturing .....	-	6	4	253	9 221	153	209	3 082	9 250	6 043	15 908	1 258
335	Electrical equipment, appliance, and component manufacturing .....	-	8	4	576	21 753	272	524	9 567	63 717	58 859	120 944	6 609
3353	Electrical equipment manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	7	4	f	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.**

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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>ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA—Con.</b>													
<b>Rockford, IL Metropolitan Statistical Area—Con.</b>													
336	Transportation equipment manufacturing .....	-	26	15	8 159	464 976	4 503	10 143	262 455	1 448 118	2 039 429	3 484 307	D
3361	Motor vehicle manufacturing .....	-	2	1	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
336111	Automobile manufacturing .....	-	2	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
336214	Travel trailer and camper manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	15	7	888	42 990	622	1 323	26 307	94 174	110 770	203 439	3 580
33634	Motor vehicle brake system manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	3	3	285	13 447	227	474	9 028	34 456	22 024	55 966	D
336370	Motor vehicle metal stamping .....	-	3	3	285	13 447	227	474	9 028	34 456	22 024	55 966	D
3364	Aerospace product and parts manufacturing .....	-	5	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	-	5	4	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing .....	-	4	3	h	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
336999	All other transportation equipment manufacturing ..	-	3	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	4	33	3	489	14 500	370	718	9 509	24 680	27 465	52 856	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	24	3	401	12 242	304	611	8 030	20 288	23 766	44 844	D
33711	Wood kitchen cabinet and countertop manufacturing .....	6	18	2	260	7 879	198	408	5 234	13 598	8 874	22 450	D
337110	Wood kitchen cabinet and countertop manufacturing ..	6	18	2	260	7 879	198	408	5 234	13 598	8 874	22 450	D
339	Miscellaneous manufacturing .....	1	34	9	383	12 589	236	430	5 668	29 502	17 713	46 864	D
3399	Other miscellaneous manufacturing .....	1	25	8	321	11 072	190	348	4 678	26 847	16 697	43 186	D
<b>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	3 218	1 048	152 343	7 066 644	109 744	211 357	4 555 298	19 926 731	31 444 785	51 161 318	1 127 313
311	Food manufacturing .....	1	229	80	i	D	D	D	D	D	D	D	D
3111	Animal food manufacturing .....	1	11	4	e	D	D	D	D	D	D	2 443	D
31111	Animal food manufacturing .....	1	11	4	e	D	D	D	D	D	D	2 443	D
3112	Grain and oilseed milling .....	-	9	6	e	D	D	D	D	D	D	3 666	D
31121	Flour milling and malt manufacturing .....	-	5	4	274	12 095	217	505	8 991	143 907	283 140	427 855	2 638
311211	Flour milling .....	-	5	4	274	12 095	217	505	8 991	143 907	283 140	427 855	2 638
3113	Sugar and confectionery product manufacturing .....	-	14	7	900	28 952	715	1 302	20 655	79 821	66 338	146 853	6 524
31134	Nonchocolate confectionery manufacturing .....	-	6	5	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	-	6	5	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
311	Food manufacturing—Con.												
3114	Fruit and vegetable preserving and specialty food manufacturing .....	4	19	9	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing ....	2	11	6	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	2	11	6	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing ....	—	13	9	1 024	41 264	737	1 620	27 205	88 998	304 586	394 454	5 909
31151	Dairy product (except frozen) manufacturing .....	—	9	7	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing ....	—	5	4	516	19 980	361	850	12 505	43 713	128 219	171 770	4 019
3116	Animal slaughtering and processing .....	2	39	10	788	23 533	638	1 250	17 023	80 296	92 466	172 106	D
31161	Animal slaughtering and processing .....	2	39	10	788	23 533	638	1 250	17 023	80 296	92 466	172 106	D
311612	Meat processed from carcasses .....	1	19	6	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	94	24	h	D	D	D	D	D	D	D	8 450
31181	Bread and bakery product manufacturing .....	1	87	20	h	D	D	D	D	D	D	D	5 740
311811	Retail bakeries .....	5	55	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	29	10	1 819	58 957	1 009	2 268	30 589	207 677	59 722	267 278	4 585
31182	Cookie, cracker, and pasta manufacturing .....	—	7	4	551	24 154	390	825	15 307	75 596	100 866	172 531	2 710
3119	Other food manufacturing .....	4	30	11	893	31 174	698	1 343	19 137	251 134	134 628	382 673	7 913
31199	All other food manufacturing ...	1	16	5	348	8 921	297	494	6 613	91 190	44 422	135 574	1 937
312	Beverage and tobacco product manufacturing .....	—	24	11	h	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	—	24	11	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	14	8	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing ....	—	8	5	g	D	D	D	D	D	D	D	D
31212	Breweries .....	—	3	2	g	D	D	D	D	D	D	D	D
312120	Breweries .....	—	3	2	g	D	D	D	D	D	D	D	D
314	Textile product mills .....	2	69	11	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	2	26	2	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	2	26	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	2	43	9	f	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	2	24	5	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills .....	2	24	5	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	3	46	9	g	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	5	29	5	g	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	6	21	2	693	11 079	630	1 109	8 603	22 989	3 764	26 607	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	6	17	2	682	10 885	621	1 092	8 437	22 641	3 726	26 221	D
31522	Men's and boys' cut and sew apparel manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	17	4	478	13 619	346	648	6 336	35 304	25 273	60 324	D
31599	Apparel accessories and other apparel manufacturing .....	1	17	4	478	13 619	346	648	6 336	35 304	25 273	60 324	D
316	Leather and allied product manufacturing .....	3	20	6	g	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	4	5	3	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	4	5	3	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	4	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing .....	2	12	2	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing .....	2	12	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
321	Wood product manufacturing . . . . .	2	84	20	1 190	32 728	955	1 856	21 712	75 914	91 140	166 913	D
3212	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	13	7	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	1	13	7	e	D	D	D	D	D	D	D	D
321214	Truss manufacturing . . . . .	—	10	7	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing . . . . .	4	57	10	f	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing . . . . .	—	19	6	e	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing . . . . .	—	19	6	e	D	D	D	D	D	D	D	D
322	Paper manufacturing . . . . .	1	66	45	h	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing . . . . .	1	65	44	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing . . . . .	—	37	25	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing . . . . .	1	27	18	g	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing . . . . .	—	7	4	465	19 891	375	819	15 076	47 267	50 215	94 989	D
32222	Paper bag and coated and treated paper manufacturing . . . . .	2	10	7	779	30 889	662	1 536	23 409	69 054	119 608	188 040	4 626
322222	Coated and laminated paper manufacturing . . . . .	3	5	4	427	19 880	353	816	15 269	45 009	82 278	126 605	D
32223	Stationery product manufacturing . . . . .	—	9	7	f	D	D	D	D	D	D	D	D
322231	Die-cut paper and paperboard office supplies manufacturing . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
322232	Envelope manufacturing . . . . .	—	5	5	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing . . . . .	3	9	5	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing . . . . .	3	9	5	e	D	D	D	D	D	D	D	D
323	Printing and related support activities . . . . .	2	483	'106	'8 369	'325 425	'5 729	'11 264	'193 167	'754 445	'430 426	'1 175 575	'38 950
3231	Printing and related support activities . . . . .	2	483	'106	'8 369	'325 425	'5 729	'11 264	'193 167	'754 445	'430 426	'1 175 575	'38 950
32311	Printing . . . . .	2	431	'92	i	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing . . . . .	2	'185	47	'3 794	'160 969	'2 543	'5 019	'95 727	'336 892	'197 346	'533 788	'18 979
323112	Commercial flexographic printing . . . . .	3	23	8	501	19 409	353	723	11 024	48 134	41 476	89 953	6 850
323113	Commercial screen printing . . . . .	1	50	10	702	20 163	570	1 060	12 993	49 709	40 746	84 119	1 634
323114	Quick printing . . . . .	3	92	3	e	D	D	D	D	D	D	D	D
323115	Digital printing . . . . .	2	'16	'8	'428	'20 176	'279	'551	'12 319	'42 977	'10 850	'53 860	D
323116	Manifold business forms printing . . . . .	—	14	7	707	25 207	393	835	12 168	91 673	75 905	165 939	5 657
323118	Blankbook, looseleaf binders, and devices manufacturing . . . . .	—	7	4	392	9 835	302	549	6 294	30 846	18 059	47 609	D
32312	Support activities for printing . . . . .	1	52	14	g	D	D	D	D	D	D	D	D
323121	Tradebinding and related work . . . . .	—	17	6	e	D	D	D	D	D	D	D	D
323122	Prepress services . . . . .	1	35	8	765	35 813	470	917	20 393	87 525	12 574	100 071	1 603
324	Petroleum and coal products manufacturing . . . . .	—	37	10	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing . . . . .	—	37	10	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing . . . . .	—	16	5	e	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing . . . . .	—	16	5	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing . . . . .	1	191	90	j	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing . . . . .	1	30	21	2 043	118 236	1 339	2 814	71 752	495 815	480 797	979 786	24 511
32513	Synthetic dye and pigment manufacturing . . . . .	—	6	5	f	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing . . . . .	1	4	4	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing . . . . .	—	2	1	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing . . . . .	4	8	7	400	23 941	284	541	16 614	156 451	130 601	287 552	D
325188	All other basic inorganic chemical manufacturing . . . . .	4	8	7	400	23 941	284	541	16 614	156 451	130 601	287 552	D
32519	Other basic organic chemical manufacturing . . . . .	—	12	8	887	53 443	543	1 188	29 635	181 905	230 561	416 263	9 478
325199	All other basic organic chemical manufacturing . . . . .	—	10	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.**

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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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
325	Chemical manufacturing—Con.													
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	—	9	5	g	D	D	D	D	D	D	D	D	
32531	Fertilizer manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D	
325314	Fertilizer (mixing only) manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D	
32532	Pesticide and other agricultural chemical manufacturing .....	—	6	4		629	35 707	257	552	8 747	187 345	227 680	415 340	6 616
325320	Pesticide and other agricultural chemical manufacturing .....	—	6	4		629	35 707	257	552	8 747	187 345	227 680	415 340	6 616
3254	Pharmaceutical and medicine manufacturing .....	2	35	18		4 248	217 306	1 995	4 004	77 553	1 516 896	542 266	2 081 843	142 869
32541	Pharmaceutical and medicine manufacturing .....	2	35	18		4 248	217 306	1 995	4 004	77 553	1 516 896	542 266	2 081 843	142 869
325412	Pharmaceutical preparation manufacturing .....	2	19	13		3 234	163 580	1 510	3 128	62 208	1 314 261	437 399	1 775 148	121 611
325413	In-vitro diagnostic substance manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	34	13	f	D	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	28	10		821	39 349	437	897	15 615	178 599	183 330	364 096	3 234
325510	Paint and coating manufacturing .....	—	28	10		821	39 349	437	897	15 615	178 599	183 330	364 096	3 234
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	—	48	15	g	D	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	39	12	g	D	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing .....	—	24	7	g	D	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing .....	4	15	5		678	27 884	410	884	11 567	118 929	67 829	186 504	7 809
32562	Toilet preparation manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing .....	3	32	15	g	D	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing .....	4	27	13	f	D	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .....	5	16	6	f	D	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	155	84		9 949	329 396	7 554	15 126	214 725	722 029	790 890	1 528 888	D
3261	Plastics product manufacturing ..	2	124	69	i	D	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	1	17	11		1 548	61 549	1 179	2 481	42 137	140 437	188 266	331 592	8 761
326111	Plastics bag manufacturing ..	—	3	3	e	D	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing .....	3	12	6		760	29 962	625	1 331	21 772	68 905	95 589	164 062	5 737
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	—	7	5	e	D	D	D	D	D	D	D	D	958
32616	Plastics bottle manufacturing ..	—	7	5		610	22 043	531	1 017	17 051	61 546	54 797	115 316	7 173
326160	Plastics bottle manufacturing .....	—	7	5		610	22 043	531	1 017	17 051	61 546	54 797	115 316	7 173
32619	Other plastics product manufacturing .....	2	81	41	h	D	D	D	D	D	D	D	D	D
326191	Plastics plumbing fixture manufacturing .....	1	13	4		279	8 714	179	368	4 509	16 432	7 230	23 601	534
326199	All other plastics product manufacturing .....	2	68	37	h	D	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing .....	—	31	15	g	D	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	11	4	e	D	D	D	D	D	D	D	D	D
326212	Tire retreading .....	—	7	3		282	8 497	152	317	3 785	18 317	24 749	43 159	D
32629	Other rubber product manufacturing .....	—	18	10	g	D	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	—	4	1	f	D	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	—	14	9	f	D	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
327	Nonmetallic mineral product manufacturing .....	2	163	54	4 113	156 684	3 144	5 960	108 779	419 834	359 796	789 455	34 466
3272	Glass and glass product manufacturing .....	3	15	5	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	3	15	5	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing .....	1	118	40	h	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing .....	2	74	28	g	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing .....	2	74	28	g	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing .....	—	10	5	391	17 731	215	486	7 267	36 300	27 001	63 675	2 400
327332	Concrete pipe manufacturing .....	—	6	4	264	12 233	152	345	5 183	21 138	14 948	36 754	1 349
32739	Other concrete product manufacturing .....	2	33	6	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	2	33	6	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing .....	1	21	5	e	D	D	D	D	D	D	D	5 220
32799	All other nonmetallic mineral product manufacturing .....	2	20	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	1	66	39	9 812	433 651	7 764	15 846	320 116	1 121 516	1 406 286	2 537 075	67 843
3311	Iron and steel mills and ferroalloy manufacturing .....	—	5	5	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	—	5	5	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	—	5	5	h	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	1	12	6	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	7	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	—	6	3	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	6	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	13	6	3 227	147 188	2 549	5 162	104 800	222 767	520 325	740 297	D
33141	Nonferrous metal (except aluminum) smelting and refining .....	—	4	2	f	D	D	D	D	D	D	D	D
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum) .....	—	4	2	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	—	2	2	h	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	—	2	2	h	D	D	D	D	D	D	D	D
3315	Foundries .....	5	30	19	2 872	111 977	2 257	5 060	83 803	309 788	182 417	493 721	D
33151	Ferrous metal foundries .....	1	13	7	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	—	6	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	7	17	12	g	D	D	D	D	D	D	D	11 737
331521	Aluminum die-casting foundries .....	2	6	4	361	11 643	279	606	7 622	30 433	14 741	45 381	D
331524	Aluminum foundries (except die-casting) .....	9	5	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	564	156	j	D	D	D	D	D	D	D	D
3321	Forging and stamping .....	1	35	14	990	36 938	696	1 280	23 584	62 976	63 385	129 738	5 712
33211	Forging and stamping .....	1	35	14	990	36 938	696	1 280	23 584	62 976	63 385	129 738	5 712
332116	Metal stamping .....	—	21	9	653	25 039	425	688	15 069	49 228	35 870	85 369	4 226
3322	Cutlery and handtool manufacturing .....	2	19	7	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing .....	2	19	7	e	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing .....	3	16	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing .....	2	95	30	h	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	1	46	23	h	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing .....	7	5	3	267	10 347	153	301	4 454	67 203	31 999	101 383	D
332312	Fabricated structural metal manufacturing .....	—	35	19	h	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	2	49	7	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	1	26	4	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	—	12	5	373	15 989	297	610	11 590	66 544	117 841	185 373	2 008
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	7	4	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	24	7	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing .....	—	24	7	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing .....	—	17	6	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	236	47	h	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	191	28	g	D	D	D	D	D	D	D	D
332710	Machine shops .....	2	191	28	g	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing .....	1	45	19	1 399	45 987	1 048	1 959	32 902	99 372	58 051	156 740	3 975
332721	Precision turned product manufacturing .....	—	34	13	1 110	34 737	834	1 516	25 698	70 750	42 748	112 688	3 066
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	11	6	289	11 250	214	443	7 204	28 622	15 303	44 052	909
3328	Coating, engraving, heat treating, and allied activities .....	—	73	21	g	D	D	D	D	D	D	D	11 115
33281	Coating, engraving, heat treating, and allied activities ..	—	73	21	g	D	D	D	D	D	D	D	11 115
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	31	10	f	D	D	D	D	D	D	D	5 822
332813	Electroplating, plating, polishing, anodizing, and coloring .....	2	37	8	539	15 312	435	807	9 952	35 048	13 163	46 863	4 519
3329	Other fabricated metal product manufacturing .....	—	63	24	h	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	—	14	10	1 813	63 942	1 424	2 872	42 521	181 756	125 485	309 131	6 777
332911	Industrial valve manufacturing .....	—	7	5	1 397	50 192	1 126	2 293	35 817	154 805	96 434	251 535	4 444
332912	Fluid power valve and hose fitting manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	—	49	14	h	D	D	D	D	D	D	D	D
332992	Small arms ammunition manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	26	6	f	D	D	D	D	D	D	D	6 900
333	Machinery manufacturing .....	—	266	110	j	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	2	22	9	f	D	D	D	D	D	D	D	D
33313	Mining and oil and gas field machinery manufacturing ....	2	8	6	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	—	35	19	1 491	65 448	826	1 251	29 518	239 255	101 492	344 152	2 867
33329	Other industrial machinery manufacturing .....	—	32	18	1 453	64 374	797	1 193	28 941	236 288	100 586	340 272	2 856
333293	Printing machinery and equipment manufacturing ..	—	5	5	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing .....	—	16	7	704	30 477	369	622	15 049	160 613	63 665	232 800	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing .....	1	29	13	2 084	88 052	1 217	2 313	37 364	222 069	171 266	400 603	24 935
33331	Commercial and service industry machinery manufacturing .....	1	29	13	2 084	88 052	1 217	2 313	37 364	222 069	171 266	400 603	24 935
333311	Automatic vending machine manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	2	19	9	1 009	47 484	456	871	14 370	133 725	100 618	235 637	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	15	11	5 813	199 117	4 626	8 331	139 702	529 265	480 204	1 028 424	10 717
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	15	11	5 813	199 117	4 626	8 331	139 702	529 265	480 204	1 028 424	10 717
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	9	7	i	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	1	87	28	h	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	1	87	28	h	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing .....	—	25	10	607	27 332	446	903	18 261	49 617	14 998	64 762	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	—	40	9	956	42 328	711	1 745	27 122	86 010	36 545	122 928	D
333515	Cutting tool and machine tool accessory manufacturing...	2	12	4	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	12	6	594	18 302	495	982	12 261	55 438	51 035	107 312	906
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	12	6	594	18 302	495	982	12 261	55 438	51 035	107 312	906
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	6	4	530	15 393	449	882	10 458	49 576	43 935	94 137	D
3339	Other general purpose machinery manufacturing .....	—	66	24	3 503	150 894	1 857	3 418	62 072	360 089	209 813	572 420	7 750
33391	Pump and compressor manufacturing .....	2	9	4	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	—	22	8	g	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	—	12	5	502	19 675	301	616	8 758	53 061	33 668	86 638	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	8	3	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	—	35	12	1 977	84 662	1 088	1 870	37 656	203 767	111 365	317 552	D
333993	Packaging machinery manufacturing .....	—	9	4	e	D	D	D	D	D	D	D	D
333994	Industrial process furnace and oven manufacturing ...	—	7	5	641	23 852	372	799	11 388	43 551	19 609	64 154	D
333999	All other miscellaneous general purpose machinery manufacturing .....	—	15	3	872	38 247	563	789	19 828	99 191	57 407	161 235	D
334	Computer and electronic product manufacturing .....	1	85	35	3 812	179 024	2 273	4 361	78 461	316 470	233 552	548 953	22 758
3341	Computer and peripheral equipment manufacturing .....	8	12	2	e	D	D	D	D	D	D	D	500
33411	Computer and peripheral equipment manufacturing ....	8	12	2	e	D	D	D	D	D	D	D	500
334119	Other computer peripheral equipment manufacturing ..	6	5	2	e	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	9	5	e	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	—	7	4	e	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	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.]

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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing .....	1	26	14	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	1	26	14	g	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing .....	1	5	2	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing .....	3	8	6	355	12 144	230	459	6 050	30 094	29 406	59 273	824
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	1	30	12	1 256	74 498	634	1 199	25 942	140 519	87 845	226 751	13 438
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	1	30	12	1 256	74 498	634	1 199	25 942	140 519	87 845	226 751	13 438
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	60	33	4 162	161 388	2 893	5 751	95 381	359 835	298 205	672 588	13 912
3351	Electric lighting equipment manufacturing .....	—	9	8	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	1	8	7	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	2	1	e	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	30	16	2 264	87 988	1 464	2 906	45 146	149 471	168 637	317 731	9 268
33531	Electrical equipment manufacturing .....	—	30	16	2 264	87 988	1 464	2 906	45 146	149 471	168 637	317 731	9 268
335311	Power, distribution, and specialty transformer manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	3 609
335313	Switchgear and switchboard apparatus manufacturing ..	—	9	4	812	31 682	496	1 019	16 939	66 809	39 380	105 209	D
3359	Other electrical equipment and component manufacturing .....	2	19	8	f	D	D	D	D	D	D	D	2 989
33593	Wiring device manufacturing...	2	7	4	712	26 399	517	1 033	15 977	82 033	39 421	121 462	D
335931	Current-carrying wiring device manufacturing .....	7	4	2	e	D	D	D	D	D	D	D	D
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 .....	—	10	4	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	104	42	34 003	2 409 258	26 174	46 782	1 760 446	4 289 005	15 884 991	19 829 479	199 109
3361	Motor vehicle manufacturing .....	—	8	5	j	D	D	D	D	D	D	D	78 111
33611	Automobile and light duty motor vehicle manufacturing .....	—	8	5	j	D	D	D	D	D	D	D	78 111
336112	Light truck and utility vehicle manufacturing .....	—	5	4	j	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	3	18	3	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	3	18	3	f	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	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.]

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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>																				
336	Transportation equipment manufacturing—Con.																				
3363	Motor vehicle parts manufacturing .....	—	45	19	h	D	D	D	D	D	D	D									
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	2	8	1	e	D	D	D	D	D	D	D									
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	2	1	e	D	D	D	D	D	D	D									
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	6	1	e	D	D	D	D	D	D	897									
336321	Vehicular lighting equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D									
33634	Motor vehicle brake system manufacturing .....	—	2	2	e	D	D	D	D	D	D	D									
336340	Motor vehicle brake system manufacturing .....	—	2	2	e	D	D	D	D	D	D	D									
33636	Motor vehicle seating and interior trim manufacturing .....	—	5	5	1	755	94	598	1	338	2	528	68	904	179	054	459	546	638	294	D
336360	Motor vehicle seating and interior trim manufacturing .....	—	5	5	1	755	94	598	1	338	2	528	68	904	179	054	459	546	638	294	D
33637	Motor vehicle metal stamping .....	2	9	5	388	17	106	320	687	11	587	29	998	25	965	56	233	751			
336370	Motor vehicle metal stamping .....	2	9	5	388	17	106	320	687	11	587	29	998	25	965	56	233	751			
33639	Other motor vehicle parts manufacturing .....	1	10	4	989	37	201	853	1	672	30	031	95	504	120	240	217	435	D		
336399	All other motor vehicle parts manufacturing .....	1	10	4	989	37	201	853	1	672	30	031	95	504	120	240	217	435	D		
3364	Aerospace product and parts manufacturing .....	—	18	12	j	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33641	Aerospace product and parts manufacturing .....	—	18	12	j	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
336411	Aircraft manufacturing .....	—	4	2	j	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
336413	Other aircraft parts and auxiliary equipment manufacturing .....	1	13	10	f	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337	Furniture and related product manufacturing .....	3	162	45	h	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	116	23	h	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33711	Wood kitchen cabinet and countertop manufacturing .....	1	76	10	f	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337110	Wood kitchen cabinet and countertop manufacturing .....	1	76	10	f	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33712	Household and institutional furniture manufacturing .....	5	40	13	g	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337122	Nonupholstered wood household furniture manufacturing .....	9	21	4	f	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337124	Metal household furniture manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337127	Institutional furniture manufacturing .....	3	8	6	388	13	000	273	585	6	838	24	274	18	732	42	697	D			
3372	Office furniture (including fixtures) manufacturing .....	2	39	20	1	564	52	403	1	128	2	262	30	208	111	227	92	557	204	622	D
33721	Office furniture (including fixtures) manufacturing .....	2	39	20	1	564	52	403	1	128	2	262	30	208	111	227	92	557	204	622	D
337211	Wood office furniture manufacturing .....	1	5	4	e	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
337215	Showcase, partition, shelving, and locker manufacturing .....	3	19	9	981	29	268	736	1	449	17	438	61	257	54	791	115	615	D		
339	Miscellaneous manufacturing .....	3	329	58	i	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
3391	Medical equipment and supplies manufacturing .....	2	146	21	h	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33911	Medical equipment and supplies manufacturing .....	2	146	21	h	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
339112	Surgical and medical instrument manufacturing .....	3	18	7	g	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
339113	Surgical appliance and supplies manufacturing .....	1	15	2	403	16	084	205	415	5	189	93	991	39	783	133	262	2	111	D	
339116	Dental laboratories .....	3	95	7	582	16	938	439	805	11	813	30	920	5	939	35	289	D			
3399	Other miscellaneous manufacturing .....	3	183	37	h	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33992	Sporting and athletic goods manufacturing .....	5	18	7	g	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
339920	Sporting and athletic goods manufacturing .....	5	18	7	g	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
33995	Sign manufacturing .....	1	69	14	g	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
339950	Sign manufacturing .....	1	69	14	g	D	D	D	D	D	D	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	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
33999	All other miscellaneous manufacturing .....	3	60	13	g	D	D	D	D	D	D	D	
339999	All other miscellaneous manufacturing .....	4	44	8	807	23 113	563	1 027	12 804	46 128	29 868	75 380	1 316
	<b>Farmington, MO Micropolitan Statistical Area</b>												
31-33	Manufacturing .....	6	57	18	2 466	73 864	1 951	3 730	47 749	168 060	128 846	300 684	37 173
326	Plastics and rubber products manufacturing .....	—	4	3	543	14 078	455	814	9 099	26 599	13 777	41 141	D
3261	Plastics product manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	8	9	3	626	20 371	498	1 006	14 896	40 915	27 321	77 092	3 032
3272	Glass and glass product manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	2	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	9	3	2	f	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
	<b>St. Louis, MO-IL Metropolitan Statistical Area</b>												
31-33	Manufacturing .....	—	3 161	1 030	149 877	6 992 780	107 793	207 627	4 507 549	19 758 671	31 315 939	50 860 634	1 090 140
311	Food manufacturing .....	1	224	79	7 912	263 767	5 484	11 231	164 590	1 078 543	1 223 666	2 297 677	41 236
3111	Animal food manufacturing .....	1	11	4	e	D	D	D	D	D	D	D	2 443
31111	Animal food manufacturing ....	1	11	4	e	D	D	D	D	D	D	D	2 443
3112	Grain and oilseed milling .....	—	9	6	e	D	D	D	D	D	D	D	3 666
31121	Flour milling and malt manufacturing .....	—	5	4	274	12 095	217	505	8 991	143 907	283 140	427 855	2 638
311211	Flour milling .....	—	5	4	274	12 095	217	505	8 991	143 907	283 140	427 855	2 638
3113	Sugar and confectionery product manufacturing .....	—	14	7	900	28 952	715	1 302	20 655	79 821	66 338	146 853	6 524
31134	Nonchocolate confectionery manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	5	18	8	540	14 425	483	993	11 836	44 843	35 105	79 907	1 755
31141	Frozen food manufacturing ....	2	11	6	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	2	11	6	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	—	13	9	1 024	41 264	737	1 620	27 205	88 998	304 586	394 454	5 909
31151	Dairy product (except frozen) manufacturing .....	—	9	7	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing ....	—	5	4	516	19 980	361	850	12 505	43 713	128 219	171 770	4 019

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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
311	Food manufacturing—Con.												
3116	Animal slaughtering and processing .....	1	36	10	774	23 114	626	1 225	16 720	79 211	89 873	168 428	4 576
31161	Animal slaughtering and processing .....	1	36	10	774	23 114	626	1 225	16 720	79 211	89 873	168 428	4 576
311612	Meat processed from carcasses .....	—	17	6	535	16 512	433	788	11 240	65 363	69 543	134 192	D
3118	Bakeries and tortilla manufacturing .....	—	93	24	3 147	97 555	1 813	3 812	54 377	318 534	180 564	492 338	8 450
31181	Bread and bakery product manufacturing .....	1	86	20	2 596	73 401	1 423	2 987	39 070	242 938	79 698	319 807	5 740
311811	Retail bakeries .....	5	54	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	29	10	1 819	58 957	1 009	2 268	30 589	207 677	59 722	267 278	4 585
31182	Cookie, cracker, and pasta manufacturing .....	—	7	4	551	24 154	390	825	15 307	75 596	100 866	172 531	2 710
3119	Other food manufacturing .....	4	30	11	893	31 174	698	1 343	19 137	251 134	134 628	382 673	7 913
31199	All other food manufacturing ...	1	16	5	348	8 921	297	494	6 613	91 190	44 422	135 574	1 937
312	Beverage and tobacco product manufacturing .....	—	23	11	2 984	140 999	2 377	4 645	101 013	1 010 171	860 812	1 866 928	D
3121	Beverage manufacturing .....	—	23	11	2 984	140 999	2 377	4 645	101 013	1 010 171	860 812	1 866 928	D
31211	Soft drink and ice manufacturing .....	—	13	8	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing ...	—	8	5	g	D	D	D	D	D	D	D	D
31212	Breweries .....	—	3	2	g	D	D	D	D	D	D	D	D
312120	Breweries .....	—	3	2	g	D	D	D	D	D	D	D	D
314	Textile product mills .....	2	69	11	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	2	26	2	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills .....	2	26	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	2	43	9	f	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	2	24	5	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills .....	2	24	5	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	3	46	9	g	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	5	29	5	g	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	6	21	2	693	11 079	630	1 109	8 603	22 989	3 764	26 607	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	6	17	2	682	10 885	621	1 092	8 437	22 641	3 726	26 221	D
31522	Men's and boys' cut and sew apparel manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	17	4	478	13 619	346	648	6 336	35 304	25 273	60 324	D
31599	Apparel accessories and other apparel manufacturing .....	1	17	4	478	13 619	346	648	6 336	35 304	25 273	60 324	D
316	Leather and allied product manufacturing .....	3	18	6	g	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	4	5	3	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	4	5	3	f	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing .....	4	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing .....	2	10	2	286	5 658	237	512	3 730	7 888	3 617	11 509	D
31699	Other leather and allied product manufacturing .....	2	10	2	286	5 658	237	512	3 730	7 888	3 617	11 509	D
321	Wood product manufacturing .....	2	80	20	1 178	32 375	945	1 835	21 464	75 299	90 141	165 299	D
3212	Veneer, plywood, and engineered wood product manufacturing .....	1	12	7	442	13 582	322	661	7 655	28 766	29 522	58 243	D
32121	Veneer, plywood, and engineered wood product manufacturing .....	1	12	7	442	13 582	322	661	7 655	28 766	29 522	58 243	D
321214	Truss manufacturing .....	—	9	7	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
321	Wood product manufacturing—Con.												
3219	Other wood product manufacturing .....	4	55	10	585	14 217	490	924	10 452	28 508	30 186	58 540	D
32192	Wood container and pallet manufacturing .....	—	17	6	281	6 323	242	471	4 841	12 556	10 555	22 909	D
321920	Wood container and pallet manufacturing .....	—	17	6	281	6 323	242	471	4 841	12 556	10 555	22 909	D
322	Paper manufacturing .....	1	65	45	4 352	164 431	3 476	7 418	114 635	565 668	617 044	1 186 268	29 105
3222	Converted paper product manufacturing .....	1	64	44	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	36	25	2 212	85 975	1 708	3 652	57 055	203 331	346 643	547 775	21 011
322211	Corrugated and solid fiber box manufacturing .....	1	26	18	1 623	61 958	1 238	2 643	39 408	149 456	288 757	438 515	D
322212	Folding paperboard box manufacturing .....	—	7	4	465	19 891	375	819	15 076	47 267	50 215	94 989	D
32222	Paper bag and coated and treated paper manufacturing ..	2	10	7	779	30 889	662	1 536	23 409	69 054	119 608	188 040	4 626
322222	Coated and laminated paper manufacturing .....	3	5	4	427	19 880	353	816	15 269	45 009	82 278	126 605	D
32223	Stationery product manufacturing .....	—	9	7	f	D	D	D	D	D	D	D	D
322231	Die-cut paper and paperboard office supplies manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
322232	Envelope manufacturing .....	—	5	5	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	3	9	5	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing .....	3	9	5	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	479	105	8 314	324 514	5 680	11 178	192 435	752 039	429 724	1 172 463	38 930
3231	Printing and related support activities .....	2	479	105	8 314	324 514	5 680	11 178	192 435	752 039	429 724	1 172 463	38 930
32311	Printing .....	2	428	92	7 186	277 986	4 899	9 573	164 099	643 450	409 288	1 043 366	36 649
323110	Commercial lithographic printing .....	2	185	47	3 794	160 969	2 543	5 019	95 727	336 892	197 346	533 788	18 979
323112	Commercial flexographic printing .....	3	23	8	501	19 409	353	723	11 024	48 134	41 476	89 953	6 850
323113	Commercial screen printing ..	1	50	10	702	20 163	570	1 060	12 993	49 709	40 746	84 119	1 634
323114	Quick printing .....	3	90	3	387	11 785	272	497	7 708	23 894	10 921	34 816	813
323115	Digital printing .....	2	16	8	428	20 176	279	551	12 319	42 977	10 850	53 860	D
323116	Manifold business forms printing .....	—	14	7	707	25 207	393	835	12 168	91 673	75 905	165 939	5 657
323118	Blankbook, looseleaf binders, and devices manufacturing .....	—	7	4	392	9 835	302	549	6 294	30 846	18 059	47 609	D
32312	Support activities for printing ..	1	51	13	1 128	46 528	781	1 605	28 336	108 589	20 436	129 097	2 281
323121	Tradebinding and related work .....	—	16	5	363	10 715	311	688	7 943	21 064	7 862	29 026	678
323122	Prepress services .....	1	35	8	765	35 813	470	917	20 393	87 525	12 574	100 071	1 603
324	Petroleum and coal products manufacturing .....	—	36	9	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	36	9	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	3	3	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	3	3	f	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing .....	—	16	5	e	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing .....	—	16	5	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	188	90	11 963	591 524	6 880	14 301	281 053	4 167 494	2 620 159	6 836 620	230 774
3251	Basic chemical manufacturing ...	1	30	21	2 043	118 236	1 339	2 814	71 752	495 815	480 797	979 786	24 511
32513	Synthetic dye and pigment manufacturing .....	—	6	5	f	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing .....	1	4	4	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	4	8	7	400	23 941	284	541	16 614	156 451	130 601	287 552	D
325188	All other basic inorganic chemical manufacturing .....	4	8	7	400	23 941	284	541	16 614	156 451	130 601	287 552	D
32519	Other basic organic chemical manufacturing .....	—	12	8	887	53 443	543	1 188	29 635	181 905	230 561	416 263	9 478
325199	All other basic organic chemical manufacturing .....	—	10	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	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
325	Chemical manufacturing—Con.												
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing .....	—	9	5	g	D	D	D	D	D	D	D	D
32531	Fertilizer manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing .....	—	6	4	629	35 707	257	552	8 747	187 345	227 680	415 340	6 616
325320	Pesticide and other agricultural chemical manufacturing .....	—	6	4	629	35 707	257	552	8 747	187 345	227 680	415 340	6 616
3254	Pharmaceutical and medicine manufacturing .....	2	35	18	4 248	217 306	1 995	4 004	77 553	1 516 896	542 266	2 081 843	142 869
32541	Pharmaceutical and medicine manufacturing .....	2	35	18	4 248	217 306	1 995	4 004	77 553	1 516 896	542 266	2 081 843	142 869
325412	Pharmaceutical preparation manufacturing .....	2	19	13	3 234	163 580	1 510	3 128	62 208	1 314 261	437 399	1 775 148	121 611
325413	In-vitro diagnostic substance manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	—	33	13	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing .....	—	28	10	821	39 349	437	897	15 615	178 599	183 330	364 096	3 234
325510	Paint and coating manufacturing .....	—	28	10	821	39 349	437	897	15 615	178 599	183 330	364 096	3 234
3256	Soap, cleaning compound, and toilet preparation manufacturing .	—	47	15	g	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing .....	—	38	12	1 916	95 186	1 304	2 771	58 595	1 488 979	776 302	2 288 990	38 746
325611	Soap and other detergent manufacturing .....	—	23	7	1 238	67 302	894	1 887	47 028	1 370 050	708 473	2 102 486	30 937
325612	Polish and other sanitation good manufacturing .....	4	15	5	678	27 884	410	884	11 567	118 929	67 829	186 504	7 809
32562	Toilet preparation manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing .....	3	31	15	g	D	D	D	D	D	D	D	8 215
32599	All other chemical product and preparation manufacturing ...	4	26	13	930	38 364	585	1 109	20 814	142 627	135 722	278 188	7 584
325998	All other miscellaneous chemical product and preparation manufacturing .	5	16	6	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	151	81	9 406	315 318	7 099	14 312	205 626	695 430	777 113	1 487 747	71 182
3261	Plastics product manufacturing ..	2	121	67	7 313	245 880	5 605	11 297	159 908	557 913	612 861	1 186 612	52 414
32611	Plastics packaging materials and unaminated film and sheet manufacturing .....	1	17	11	1 548	61 549	1 179	2 481	42 137	140 437	188 266	331 592	8 761
326111	Plastics bag manufacturing ..	—	3	3	e	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
326113	Unaminated plastics film and sheet (except packaging) manufacturing .....	3	12	6	760	29 962	625	1 331	21 772	68 905	95 589	164 062	5 737
32612	Plastics pipe, pipe fitting, and unaminated profile shape manufacturing .....	—	7	5	e	D	D	D	D	D	D	D	958
32616	Plastics bottle manufacturing ..	—	7	5	610	22 043	531	1 017	17 051	61 546	54 797	115 316	7 173
326160	Plastics bottle manufacturing ..	—	7	5	610	22 043	531	1 017	17 051	61 546	54 797	115 316	7 173
32619	Other plastics product manufacturing .....	3	78	39	4 371	134 893	3 338	6 655	82 855	308 024	247 459	570 148	31 111
326191	Plastics plumbing fixture manufacturing .....	1	13	4	279	8 714	179	368	4 509	16 432	7 230	23 601	534
326199	All other plastics product manufacturing .....	3	65	35	4 092	126 179	3 159	6 287	78 346	291 592	240 229	546 547	30 577
3262	Rubber product manufacturing ...	—	30	14	2 093	69 438	1 494	3 015	45 718	137 517	164 252	301 135	18 768
32621	Tire manufacturing .....	—	11	4	e	D	D	D	D	D	D	D	D
326212	Tire retreading .....	—	7	3	282	8 497	152	317	3 785	18 317	24 749	43 159	D
32629	Other rubber product manufacturing .....	—	17	9	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	—	4	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	—	13	8	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
327	Nonmetallic mineral product manufacturing .....	1	154	51	3 487	136 313	2 646	4 954	93 883	378 919	332 475	712 363	31 434
3272	Glass and glass product manufacturing .....	—	14	4	436	19 088	345	738	14 012	69 034	48 912	118 125	1 576
32721	Glass and glass product manufacturing .....	—	14	4	436	19 088	345	738	14 012	69 034	48 912	118 125	1 576
3273	Cement and concrete product manufacturing .....	1	112	39	2 480	95 137	1 924	3 467	67 657	263 405	225 880	489 515	24 418
32732	Ready-mix concrete manufacturing .....	2	72	28	1 547	57 945	1 299	2 257	46 005	132 168	142 723	274 689	17 415
327320	Ready-mix concrete manufacturing .....	2	72	28	1 547	57 945	1 299	2 257	46 005	132 168	142 723	274 689	17 415
32733	Concrete pipe, brick, and block manufacturing .....	—	10	5	391	17 731	215	486	7 267	36 300	27 001	63 675	2 400
327332	Concrete pipe manufacturing .....	—	6	4	264	12 233	152	345	5 183	21 138	14 948	36 754	1 349
32739	Other concrete product manufacturing .....	2	29	5	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing .....	2	29	5	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing .....	1	21	5	e	D	D	D	D	D	D	D	5 220
32799	All other nonmetallic mineral product manufacturing .....	2	20	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	1	66	39	9 812	433 651	7 764	15 846	320 116	1 121 516	1 406 286	2 537 075	67 843
3311	Iron and steel mills and ferroalloy manufacturing .....	—	5	5	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	—	5	5	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	—	5	5	h	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	1	12	6	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel .....	—	7	2	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	—	6	3	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing .....	—	6	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	13	6	3 227	147 188	2 549	5 162	104 800	222 767	520 325	740 297	D
33141	Nonferrous metal (except aluminum) smelting and refining .....	—	4	2	f	D	D	D	D	D	D	D	D
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum) .....	—	4	2	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	—	2	2	h	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	—	2	2	h	D	D	D	D	D	D	D	D
3315	Foundries .....	5	30	19	2 872	111 977	2 257	5 060	83 803	309 788	182 417	493 721	D
33151	Ferrous metal foundries .....	1	13	7	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	—	6	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	7	17	12	g	D	D	D	D	D	D	D	11 737
331521	Aluminum die-casting foundries .....	2	6	4	361	11 643	279	606	7 622	30 433	14 741	45 381	D
331524	Aluminum foundries (except die-casting) .....	9	5	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	552	154	15 868	647 508	11 498	22 640	415 386	1 603 404	1 057 098	2 661 762	71 931
3321	Forging and stamping .....	1	35	14	990	36 938	696	1 280	23 584	62 976	63 385	129 738	5 712
33211	Forging and stamping .....	1	35	14	990	36 938	696	1 280	23 584	62 976	63 385	129 738	5 712
332116	Metal stamping .....	—	21	9	653	25 039	425	688	15 069	49 228	35 870	85 369	4 226
3322	Cutlery and handtool manufacturing .....	1	18	6	341	11 981	212	410	6 041	22 243	18 835	41 095	742
33221	Cutlery and handtool manufacturing .....	1	18	6	341	11 981	212	410	6 041	22 243	18 835	41 095	742

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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing .....	2	92	29	3 845	182 229	2 439	4 801	103 659	492 215	261 906	764 517	19 753
33231	Plate work and fabricated structural product manufacturing .....	1	44	22	3 200	158 184	2 061	4 039	91 870	443 998	217 845	672 231	18 540
332311	Prefabricated metal building and component manufacturing .....	7	5	3	267	10 347	153	301	4 454	67 203	31 999	101 383	D
332312	Fabricated structural metal manufacturing .....	—	33	18	2 844	145 143	1 835	3 591	85 465	372 554	183 490	564 254	16 930
33232	Ornamental and architectural metal products manufacturing .....	2	48	7	645	24 045	378	762	11 789	48 217	44 061	92 286	1 213
332322	Sheet metal work manufacturing .....	1	25	4	328	13 099	179	358	5 782	25 477	19 321	44 717	392
3324	Boiler, tank, and shipping container manufacturing .....	—	12	5	373	15 989	297	610	11 590	66 544	117 841	185 373	2 008
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	7	4	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	23	7	558	18 944	416	820	11 575	47 468	53 046	99 526	1 326
33261	Spring and wire product manufacturing .....	—	23	7	558	18 944	416	820	11 575	47 468	53 046	99 526	1 326
332618	Other fabricated wire product manufacturing .....	—	16	6	446	15 042	343	675	9 330	36 511	46 588	81 841	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	231	47	3 451	129 659	2 606	4 929	90 140	266 252	129 628	394 443	12 167
33271	Machine shops .....	2	186	28	2 052	83 672	1 558	2 970	57 238	166 880	71 577	237 703	8 192
332710	Machine shops .....	2	186	28	2 052	83 672	1 558	2 970	57 238	166 880	71 577	237 703	8 192
33272	Turned product and screw, nut, and bolt manufacturing .....	1	45	19	1 399	45 987	1 048	1 959	32 902	99 372	58 051	156 740	3 975
332721	Precision turned product manufacturing .....	—	34	13	1 110	34 737	834	1 516	25 698	70 750	42 748	112 688	3 066
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	11	6	289	11 250	214	443	7 204	28 622	15 303	44 052	909
3328	Coating, engraving, heat treating, and allied activities .....	—	72	21	1 649	65 679	1 143	2 242	37 242	210 497	122 840	326 632	11 115
33281	Coating, engraving, heat treating, and allied activities ..	—	72	21	1 649	65 679	1 143	2 242	37 242	210 497	122 840	326 632	11 115
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	30	10	927	42 661	583	1 172	22 278	112 031	104 079	215 280	5 822
332813	Electroplating, plating, polishing, anodizing, and coloring .....	2	37	8	539	15 312	435	807	9 952	35 048	13 163	46 863	4 519
3329	Other fabricated metal product manufacturing .....	—	62	24	4 558	182 910	3 607	7 370	129 311	429 487	285 378	710 407	19 004
33291	Metal valve manufacturing ....	—	14	10	1 813	63 942	1 424	2 872	42 521	181 756	125 485	309 131	6 777
332911	Industrial valve manufacturing .....	—	7	5	1 397	50 192	1 126	2 293	35 817	154 805	96 434	251 535	4 444
332912	Fluid power valve and hose fitting manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	—	48	14	2 745	118 968	2 183	4 498	86 790	247 731	159 893	401 276	12 227
332992	Small arms ammunition manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	1	26	6	f	D	D	D	D	D	D	D	6 900
333	Machinery manufacturing .....	—	264	108	16 821	668 918	11 183	20 840	361 055	1 678 657	1 161 651	2 874 988	60 304
3331	Agriculture, construction, and mining machinery manufacturing .....	2	21	8	545	20 895	340	666	9 834	35 861	40 964	77 013	1 885
33313	Mining and oil and gas field machinery manufacturing ....	1	7	5	401	15 707	250	493	7 374	25 897	24 537	51 194	D
3332	Industrial machinery manufacturing .....	—	35	19	1 491	65 448	826	1 251	29 518	239 255	101 492	344 152	2 867
33329	Other industrial machinery manufacturing .....	—	32	18	1 453	64 374	797	1 193	28 941	236 288	100 586	340 272	2 856
333293	Printing machinery and equipment manufacturing ..	—	5	5	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing .....	—	16	7	704	30 477	369	622	15 049	160 613	63 665	232 800	D

See footnotes at end of table.

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

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	<b>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>												
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>												
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing .....	1	29	13	2 084	88 052	1 217	2 313	37 364	222 069	171 266	400 603	24 935
33331	Commercial and service industry machinery .....	1	29	13	2 084	88 052	1 217	2 313	37 364	222 069	171 266	400 603	24 935
333311	Automatic vending machine manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	2	19	9	1 009	47 484	456	871	14 370	133 725	100 618	235 637	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	15	11	5 813	199 117	4 626	8 331	139 702	529 265	480 204	1 028 424	10 717
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	15	11	5 813	199 117	4 626	8 331	139 702	529 265	480 204	1 028 424	10 717
333414	Heating equipment (except warm air furnaces) manufacturing .....	—	4	2	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	9	7	i	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	1	86	27	2 791	126 210	1 822	3 879	70 304	236 680	106 877	345 064	11 244
33351	Metalworking machinery manufacturing .....	1	86	27	2 791	126 210	1 822	3 879	70 304	236 680	106 877	345 064	11 244
333511	Industrial mold manufacturing .....	—	25	10	607	27 332	446	903	18 261	49 617	14 998	64 762	D
333514	Special die and tool, die set, jig, and fixture manufacturing .....	—	40	9	956	42 328	711	1 745	27 122	86 010	36 545	122 928	D
333515	Cutting tool and machine tool accessory manufacturing .....	3	11	3	914	40 249	495	915	16 712	71 128	27 223	100 059	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	12	6	594	18 302	495	982	12 261	55 438	51 035	107 312	906
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	12	6	594	18 302	495	982	12 261	55 438	51 035	107 312	906
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	6	4	530	15 393	449	882	10 458	49 576	43 935	94 137	D
3339	Other general purpose machinery manufacturing .....	—	66	24	3 503	150 894	1 857	3 418	62 072	360 089	209 813	572 420	7 750
33391	Pump and compressor manufacturing .....	2	9	4	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	—	22	8	g	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	—	12	5	502	19 675	301	616	8 758	53 061	33 668	86 638	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	8	3	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	—	35	12	1 977	84 662	1 088	1 870	37 656	203 767	111 365	317 552	D
333993	Packaging machinery manufacturing .....	—	9	4	e	D	D	D	D	D	D	D	D
333994	Industrial process furnace and oven manufacturing ...	—	7	5	641	23 852	372	799	11 388	43 551	19 609	64 154	D
333999	All other miscellaneous general purpose machinery manufacturing .....	—	15	3	872	38 247	563	789	19 828	99 191	57 407	161 235	D
334	Computer and electronic product manufacturing .....	1	85	35	3 812	179 024	2 273	4 361	78 461	316 470	233 552	548 953	22 758
3341	Computer and peripheral equipment manufacturing .....	8	12	2	e	D	D	D	D	D	D	D	500
33411	Computer and peripheral equipment manufacturing ....	8	12	2	e	D	D	D	D	D	D	D	500
334119	Other computer peripheral equipment manufacturing ..	6	5	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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			Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
	<b>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>													
334	Computer and electronic product manufacturing—Con.													
3342	Communications equipment manufacturing .....	—	9	5	e	D	D	D	D	D	D	D	D	
33429	Other communications equipment manufacturing ....	—	7	4	e	D	D	D	D	D	D	D	D	
334290	Other communications equipment manufacturing ..	—	7	4	e	D	D	D	D	D	D	D	D	
3344	Semiconductor and other electronic component manufacturing .....	1	26	14	g	D	D	D	D	D	D	D	D	
33441	Semiconductor and other electronic component manufacturing .....	1	26	14	g	D	D	D	D	D	D	D	D	
334413	Semiconductor and related device manufacturing .....	1	5	2	f	D	D	D	D	D	D	D	D	
334418	Printed circuit assembly (electronic assembly) manufacturing .....	3	8	6		355	12 144	230	459	6 050	30 094	29 406	59 273	824
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	1	30	12		1 256	74 498	634	1 199	25 942	140 519	87 845	226 751	13 438
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	30	12		1 256	74 498	634	1 199	25 942	140 519	87 845	226 751	13 438
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	60	33		4 162	161 388	2 893	5 751	95 381	359 835	298 205	672 588	13 912
3351	Electric lighting equipment manufacturing .....	—	9	8	f	D	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing..	1	8	7	e	D	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	2	1	e	D	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	—	30	16		2 264	87 988	1 464	2 906	45 146	149 471	168 637	317 731	9 268
33531	Electrical equipment manufacturing .....	—	30	16		2 264	87 988	1 464	2 906	45 146	149 471	168 637	317 731	9 268
335311	Power, distribution, and specialty transformer manufacturing .....	—	4	4	f	D	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	D	3 609
335313	Switchgear and switchboard apparatus manufacturing ...	—	9	4		812	31 682	496	1 019	16 939	66 809	39 380	105 209	D
3359	Other electrical equipment and component manufacturing .....	2	19	8	f	D	D	D	D	D	D	D	D	2 989
33593	Wiring device manufacturing...	2	7	4		712	26 399	517	1 033	15 977	82 033	39 421	121 462	D
335931	Current-carrying wiring device manufacturing .....	7	4	2	e	D	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	—	10	4	e	D	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	104	42		34 003	2 409 258	26 174	46 782	1 760 446	4 289 005	15 884 991	19 829 479	199 109
3361	Motor vehicle manufacturing .....	—	8	5	j	D	D	D	D	D	D	D	D	78 111
33611	Automobile and light duty motor vehicle manufacturing .....	—	8	5	j	D	D	D	D	D	D	D	D	78 111
336112	Light truck and utility vehicle manufacturing .....	—	5	4	j	D	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	3	18	3	f	D	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	3	18	3	f	D	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	3	1	e	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>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
	<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>													
336	Transportation equipment manufacturing—Con.													
3363	Motor vehicle parts manufacturing .....	—	45	19	h	D	D	D	D	D	D	D	D	
33631	Motor vehicle gasoline engine and engine parts manufacturing .....	2	8	1	e	D	D	D	D	D	D	D	D	
336311	Carburetor, piston, piston ring, and valve manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D	
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	6	1	e	D	D	D	D	D	D	D	897	
336321	Vehicular lighting equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D	
33634	Motor vehicle brake system manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D	
336340	Motor vehicle brake system manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D	
33636	Motor vehicle seating and interior trim manufacturing .....	—	5	5		1 755	94 598	1 338	2 528	68 904	179 054	459 546	638 294	D
336360	Motor vehicle seating and interior trim manufacturing .....	—	5	5		1 755	94 598	1 338	2 528	68 904	179 054	459 546	638 294	D
33637	Motor vehicle metal stamping .....	2	9	5		388	17 106	320	687	11 587	29 998	25 965	56 233	751
336370	Motor vehicle metal stamping .....	2	9	5		388	17 106	320	687	11 587	29 998	25 965	56 233	751
33639	Other motor vehicle parts manufacturing .....	1	10	4		989	37 201	853	1 672	30 031	95 504	120 240	217 435	D
336399	All other motor vehicle parts manufacturing .....	1	10	4		989	37 201	853	1 672	30 031	95 504	120 240	217 435	D
3364	Aerospace product and parts manufacturing .....	—	18	12	j	D	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	18	12	j	D	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing .....	—	4	2	j	D	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing .....	1	13	10	f	D	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	3	159	43		4 150	124 986	3 211	6 324	78 824	270 854	197 033	458 143	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	113	21		2 442	66 694	1 974	3 852	45 245	135 030	100 212	224 803	D
33711	Wood kitchen cabinet and countertop manufacturing .....	1	74	9		728	21 818	548	1 025	13 959	37 273	22 444	59 567	D
337110	Wood kitchen cabinet and countertop manufacturing .....	1	74	9		728	21 818	548	1 025	13 959	37 273	22 444	59 567	D
33712	Household and institutional furniture manufacturing .....	5	39	12		1 714	44 876	1 426	2 827	31 286	97 757	77 768	165 236	D
337122	Nonupholstered wood household furniture manufacturing .....	9	20	3		952	22 279	847	1 645	17 448	53 101	37 714	81 090	D
337124	Metal household furniture manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing .....	3	8	6		388	13 000	273	585	6 838	24 274	18 732	42 697	D
3372	Office furniture (including fixtures) manufacturing .....	2	39	20		1 564	52 403	1 128	2 262	30 208	111 227	92 557	204 622	D
33721	Office furniture (including fixtures) manufacturing .....	2	39	20		1 564	52 403	1 128	2 262	30 208	111 227	92 557	204 622	D
337211	Wood office furniture manufacturing .....	1	5	4	e	D	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing .....	3	19	9		981	29 268	736	1 449	17 438	61 257	54 791	115 615	D
339	Miscellaneous manufacturing .....	2	325	56		6 339	206 941	4 179	7 282	104 048	565 899	274 004	839 790	18 432
3391	Medical equipment and supplies manufacturing .....	2	145	21		2 697	94 805	1 752	2 836	48 078	331 637	107 893	439 439	10 078
33911	Medical equipment and supplies manufacturing .....	2	145	21		2 697	94 805	1 752	2 836	48 078	331 637	107 893	439 439	10 078
339112	Surgical and medical instrument manufacturing .....	3	17	7		1 378	49 414	885	1 187	24 607	164 219	48 061	214 004	5 613
339113	Surgical appliance and supplies manufacturing .....	1	15	2		403	16 084	205	415	5 189	93 991	39 783	133 262	2 111
339116	Dental laboratories .....	3	95	7		582	16 938	439	805	11 813	30 920	5 939	35 289	D

See footnotes at end of table.

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

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<b>ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA—Con.</b>													
<b>St. Louis, MO-IL Metropolitan Statistical Area—Con.</b>													
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing .....	2	180	35	3 642	112 136	2 427	4 446	55 970	234 262	166 111	400 351	8 354
33992	Sporting and athletic goods manufacturing .....	2	17	6	588	17 714	434	715	9 182	52 764	40 996	93 625	1 821
339920	Sporting and athletic goods manufacturing .....	2	17	6	588	17 714	434	715	9 182	52 764	40 996	93 625	1 821
33995	Sign manufacturing .....	1	68	14	1 621	51 398	1 025	1 923	23 775	91 621	67 258	158 498	2 710
339950	Sign manufacturing .....	1	68	14	1 621	51 398	1 025	1 923	23 775	91 621	67 258	158 498	2 710
33999	All other miscellaneous manufacturing .....	3	59	12	1 160	34 956	792	1 484	18 802	73 240	46 699	120 345	D
339999	All other miscellaneous manufacturing .....	4	44	8	807	23 113	563	1 027	12 804	46 128	29 868	75 380	1 316
<b>BLOOMINGTON-NORMAL, IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	113	36	6 574	321 553	5 284	10 159	246 537	1 039 530	2 964 504	4 005 339	234 046
311	Food manufacturing .....	1	13	7	741	26 239	584	1 347	20 397	73 557	159 311	232 426	D
3113	Sugar and confectionery product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ..	—	2	1	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	—	2	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	21	6	759	29 791	481	917	15 298	61 594	37 748	98 816	D
3231	Printing and related support activities .....	2	21	6	759	29 791	481	917	15 298	61 594	37 748	98 816	D
32311	Printing .....	2	20	6	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	3	9	5	480	21 074	331	741	12 440	39 592	25 488	65 010	1 703
326	Plastics and rubber products manufacturing .....	—	3	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	12	4	366	11 539	271	543	7 832	32 317	33 987	66 802	825
336	Transportation equipment manufacturing .....	—	7	4	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
<b>BURLINGTON, IA-IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	68	26	5 751	216 397	4 115	8 404	155 809	542 814	589 037	1 157 876	25 316
311	Food manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	4	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
327	Nonmetallic mineral product manufacturing .....	—	11	3	613	20 211	492	1 131	15 749	95 427	78 862	174 551	D
3273	Cement and concrete product manufacturing .....	—	8	1	e	D	D	D	D	D	D	D	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

See footnotes at end of table.

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

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<b>BURLINGTON, IA-IL MICROPOLITAN STATISTICAL AREA—Con.</b>													
332	Fabricated metal product manufacturing .....	-	9	4	1 123	33 009	575	1 092	19 603	88 844	13 410	102 248	825
3329	Other fabricated metal product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332993	Ammunition (except small arms) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	1 137
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	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
334	Computer and electronic product manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	3	3	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
336	Transportation equipment manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>CARBONDALE, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	2	35	7	839	26 089	690	1 288	19 587	75 255	82 530	156 389	2 979
331	Primary metal manufacturing .....	-	2	1	e	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
<b>CENTRALIA, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	57	22	3 914	119 427	3 254	6 788	82 983	443 355	282 092	736 855	15 115
322	Paper manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	6	4	988	28 621	824	1 683	18 128	87 643	49 706	136 928	2 773
3261	Plastics product manufacturing .....	-	6	4	988	28 621	824	1 683	18 128	87 643	49 706	136 928	2 773
32619	Other plastics product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	3	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.**

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<b>CENTRALIA, IL MICROPOLITAN STATISTICAL AREA—Con.</b>													
327	Nonmetallic mineral product manufacturing .....	-	6	3	377	14 617	254	566	8 108	33 994	13 635	49 063	D
333	Machinery manufacturing .....	-	5	3	421	14 286	310	575	8 757	27 050	22 816	51 752	D
336	Transportation equipment manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>CHAMPAIGN-URBANA, IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	187	67	10 612	348 620	8 071	14 340	236 227	1 609 485	1 696 904	3 314 660	101 649
311	Food manufacturing .....	-	20	5	1 832	74 518	1 464	3 044	56 845	531 675	719 332	1 254 391	31 441
3112	Grain and oilseed milling .....	-	3	3	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending .....	-	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
315299	All other cut and sew apparel manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	3	1	f	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 .....	-	3	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	28	5	643	16 327	281	435	6 736	43 099	19 732	62 800	777
3231	Printing and related support activities .....	1	28	5	643	16 327	281	435	6 736	43 099	19 732	62 800	777
32311	Printing .....	1	25	4	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	7	3	495	11 059	183	260	4 226	34 924	16 058	50 948	375
325	Chemical manufacturing .....	-	5	4	489	17 382	381	590	9 884	90 181	51 271	139 584	2 711
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	13	9	2 473	74 847	2 024	3 135	55 659	296 266	315 044	610 383	26 561
3261	Plastics product manufacturing .....	-	13	9	2 473	74 847	2 024	3 135	55 659	296 266	315 044	610 383	26 561
32616	Plastics bottle manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	9	5	1 687	50 314	1 304	2 371	33 739	192 409	217 872	410 198	D
326199	All other plastics product manufacturing .....	-	7	5	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	14	6	384	13 578	317	628	10 123	30 619	56 066	87 332	1 427
332	Fabricated metal product manufacturing .....	-	17	7	333	12 793	226	401	7 488	16 673	20 355	37 322	710

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<b>CHAMPAIGN-URBANA, IL METROPOLITAN STATISTICAL AREA—Con.</b>													
333	Machinery manufacturing .....	-	15	6	887	29 909	671	1 342	20 935	55 946	96 042	152 550	7 525
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	6	3	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
33639	Other motor vehicle parts manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	24	10	768	20 398	592	1 013	11 031	94 571	69 760	172 016	5 222
3399	Other miscellaneous manufacturing .....	-	16	8	674	17 836	534	918	9 835	88 638	67 629	164 211	D
33992	Sporting and athletic goods manufacturing .....	-	6	5	482	13 221	385	663	6 729	81 129	40 563	129 613	3 073
339920	Sporting and athletic goods manufacturing .....	-	6	5	482	13 221	385	663	6 729	81 129	40 563	129 613	3 073
<b>CHARLESTON-MATTOON, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	66	22	4 375	153 034	3 774	7 411	124 177	603 188	448 784	1 055 350	42 078
311	Food manufacturing .....	-	5	2	663	25 978	573	1 057	19 727	201 164	81 606	281 071	D
3118	Bakeries and tortilla manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	2	1	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
322231	Die-cut paper and paperboard office supplies manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	10	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	10	2	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	9	2	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	6	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
<b>DANVILLE, IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	2	108	39	5 899	228 975	4 376	8 814	144 475	587 220	1 159 676	1 748 955	38 464

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>DANVILLE, IL METROPOLITAN STATISTICAL AREA—Con.</b>													
311	Food manufacturing .....	2	12	7	1 475	68 002	1 076	2 207	44 089	207 974	616 138	819 580	12 374
3112	Grain and oilseed milling .....	3	4	4	582	24 965	399	869	15 292	98 473	433 568	532 961	6 799
31122	Starch and vegetable fats and oils manufacturing .....	3	4	4	582	24 965	399	869	15 292	98 473	433 568	532 961	6 799
311222	Soybean processing .....	—	1	1	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending .....	9	3	3	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	2	1	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
311822	Flour mixes and dough manufacturing from purchased flour .....	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	6	3	695	25 710	521	1 064	16 344	83 847	35 687	119 642	4 058
3261	Plastics product manufacturing ..	—	5	2	f	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlined profile shape manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
326121	Unlined plastics profile shape manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	28	8	1 054	42 124	805	1 520	25 242	101 076	216 052	321 275	8 070
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 .....	—	14	6	668	25 138	497	1 026	17 505	27 824	81 071	110 173	3 680
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	—	2	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 .....	—	2	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	6	5	4	1 184	43 094	888	1 774	27 912	98 237	79 445	177 787	2 886
3364	Aerospace product and parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>DAVENPORT-MOLINE-ROCK ISLAND, IA-IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	436	156	24 671	965 683	17 893	35 778	623 952	3 766 353	3 881 457	7 604 788	193 973
311	Food manufacturing .....	—	38	11	5 733	176 152	4 343	9 255	123 175	812 011	1 245 711	2 040 336	33 445
3111	Animal food manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	D
31111	Animal food manufacturing .....	—	6	2	e	D	D	D	D	D	D	D	D
311111	Dog and cat food manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	9	5	4 175	121 181	3 646	8 022	98 796	443 051	960 992	1 403 694	D
31161	Animal slaughtering and processing .....	—	9	5	4 175	121 181	3 646	8 022	98 796	443 051	960 992	1 403 694	D
311611	Animal (except poultry) slaughtering .....	—	5	2	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	—	3	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>DAVENPORT-MOLINE-ROCK ISLAND, IA-IL METROPOLITAN STATISTICAL AREA—Con.</b>												
311	Food manufacturing—Con.												
3118	Bakeries and tortilla manufacturing .....	—	12	2	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	—	12	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	9	9	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	9	8	2	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
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
3162	Footwear manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
31621	Footwear manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
316211	Rubber and plastics footwear manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	7	16	5	323	9 034	262	521	6 301	17 784	23 148	41 094	718
322	Paper manufacturing .....	2	5	4	446	13 215	345	771	7 331	33 893	38 056	72 044	D
3222	Converted paper product manufacturing .....	2	5	4	446	13 215	345	771	7 331	33 893	38 056	72 044	D
32221	Paperboard container manufacturing .....	1	3	2	e	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	38	4	800	26 265	538	1 049	16 910	63 634	35 669	99 431	D
3231	Printing and related support activities .....	—	38	4	800	26 265	538	1 049	16 910	63 634	35 669	99 431	D
32311	Printing .....	—	36	4	f	D	D	D	D	D	D	D	D
323117	Books printing .....	—	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	11	4	861	41 986	633	1 035	24 353	180 152	167 864	345 945	13 471
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	'18	10	'592	'17 598	'495	'1 050	'13 329	'49 487	'62 992	'113 383	'2 045
3261	Plastics product manufacturing ..	1	'14	8	'496	'14 280	'424	'905	'11 017	'44 005	'56 772	'101 685	D
32619	Other plastics product manufacturing .....	—	'11	6	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	'10	5	'326	'9 005	'285	'594	'7 059	'26 280	'22 929	'49 838	D
327	Nonmetallic mineral product manufacturing .....	—	19	8	521	19 101	413	840	13 111	88 046	47 907	134 264	7 001
3273	Cement and concrete product manufacturing .....	—	18	7	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	—	15	9	h	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing .....	—	3	3	h	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	3	3	h	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing .....	—	3	3	h	D	D	D	D	D	D	D	D
3315	Foundries .....	—	11	5	f	D	D	D	D	D	D	D	2 874
33151	Ferrous metal foundries .....	—	3	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	3	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	—	8	3	314	11 028	250	579	7 352	28 030	14 844	42 944	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>DAVENPORT-MOLINE-ROCK ISLAND, IA-IL METROPOLITAN STATISTICAL AREA—Con.</b>												
332	Fabricated metal product manufacturing .....	1	'114	44	'3 058	'105 234	'2 282	'4 680	'68 343	'259 627	'160 319	'412 743	'14 374
3321	Forging and stamping.....	—	9	5	411	13 441	295	610	8 828	31 257	40 261	71 328	2 312
33211	Forging and stamping.....	—	9	5	411	13 441	295	610	8 828	31 257	40 261	71 328	2 312
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	'48	19	'1 119	'37 247	'919	'1 942	'28 320	'68 798	'42 263	'110 491	D
33271	Machine shops .....	2	'43	15	'863	'28 496	'691	'1 432	'20 699	'49 992	'32 457	'82 260	'2 951
332710	Machine shops .....	2	'43	15	'863	'28 496	'691	'1 432	'20 699	'49 992	'32 457	'82 260	'2 951
33272	Turned product and screw, nut, and bolt manufacturing .....	—	5	4	256	8 751	228	510	7 621	18 806	9 806	28 231	D
332721	Precision turned product manufacturing .....	—	4	4	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	—	17	9	450	12 761	362	673	9 197	36 150	26 621	60 544	2 961
33281	Coating, engraving, heat treating, and allied activities ..	—	17	9	450	12 761	362	673	9 197	36 150	26 621	60 544	2 961
3329	Other fabricated metal product manufacturing .....	—	17	5	630	27 542	367	802	12 695	89 389	32 239	117 392	3 585
33291	Metal valve manufacturing ....	—	2	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
33299	All other fabricated metal product manufacturing .....	—	15	4	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	61	30	6 544	325 608	4 309	7 754	196 423	1 515 844	1 161 771	2 730 606	35 542
3331	Agriculture, construction, and mining machinery manufacturing .....	—	16	9	4 886	256 482	3 222	5 688	157 931	1 383 872	1 038 855	2 471 045	30 506
33311	Agricultural implement manufacturing .....	—	10	6	3 397	185 102	2 410	4 137	120 705	884 382	741 767	1 639 699	D
333111	Farm machinery and equipment manufacturing ..	—	10	6	3 397	185 102	2 410	4 137	120 705	884 382	741 767	1 639 699	D
33312	Construction machinery manufacturing .....	—	6	3	1 489	71 380	812	1 551	37 226	499 490	297 088	831 346	D
333120	Construction machinery manufacturing .....	—	6	3	1 489	71 380	812	1 551	37 226	499 490	297 088	831 346	D
3332	Industrial machinery manufacturing .....	—	5	3	304	15 472	147	227	5 762	30 364	20 011	49 193	D
33329	Other industrial machinery manufacturing .....	—	5	3	304	15 472	147	227	5 762	30 364	20 011	49 193	D
333294	Food product machinery manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	19	8	555	21 828	401	721	13 686	35 343	28 716	65 444	1 854
33351	Metalworking machinery manufacturing .....	2	19	8	555	21 828	401	721	13 686	35 343	28 716	65 444	1 854
333515	Cutting tool and machine tool accessory manufacturing...	1	6	2	282	9 432	197	286	5 101	14 138	13 507	28 471	D
3339	Other general purpose machinery manufacturing .....	1	13	5	496	20 884	325	659	12 022	36 289	53 937	94 954	D
33392	Material handling equipment manufacturing .....	1	3	2	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	1	7	4	263	7 920	139	205	2 483	23 834	21 366	45 339	D
336	Transportation equipment manufacturing .....	—	12	3	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	3	21	6	327	9 477	250	528	5 662	19 083	16 131	35 173	D
339	Miscellaneous manufacturing .....	2	32	8	393	13 749	259	510	6 720	29 611	12 969	41 644	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>DECATUR, IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	126	39	8 826	409 924	6 287	12 983	272 293	1 760 168	2 731 498	4 551 972	144 881
311	Food manufacturing .....	-	15	8	g	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling .....	-	6	5	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	-	6	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing .....	-	3	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	10	5	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	5	3	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	-	4	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	-	4	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	9	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	5	2	461	19 969	333	566	11 872	80 663	57 331	137 711	D
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
327211	Flat glass manufacturing ....	-	1	1	e	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
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
332	Fabricated metal product manufacturing .....	-	29	6	937	36 894	727	1 450	26 321	66 111	97 093	164 005	3 338
3329	Other fabricated metal product manufacturing .....	-	4	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
332911	Industrial valve manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	14	5	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
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
33639	Other motor vehicle parts manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	11	2	266	9 141	241	439	7 668	27 263	11 725	37 901	D
<b>DIXON, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	37	24	4 056	128 857	3 058	6 131	85 017	425 582	393 118	812 925	23 022
311	Food manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	D
31199	All other food manufacturing ...	-	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	D
311999	All other miscellaneous food manufacturing .....	-	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	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>DIXON, IL MICROPOLITAN STATISTICAL AREA—Con.</b>													
332	Fabricated metal product manufacturing .....	-	7	5	1 401	46 190	936	1 982	26 996	114 641	126 252	240 547	5 130
3321	Forging and stamping.....	-	1	1	e	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	1	1	e	D	D	D	D	D	D	D	D
332116	Metal stamping .....	-	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing ....	-	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	8	6	978	28 698	767	1 458	17 997	110 935	92 676	202 096	6 663
3339	Other general purpose machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing.....	-	1	1	e	D	D	D	D	D	D	D	D
<b>EFFINGHAM, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	68	28	4 777	154 091	3 851	7 573	104 595	564 109	430 435	992 022	54 214
321	Wood product manufacturing .....	-	9	3	559	15 379	461	870	10 198	21 793	50 707	72 912	1 308
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
321219	Reconstituted wood product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	9	5	2 452	77 524	2 097	4 223	57 491	187 565	141 406	326 144	32 634
3231	Printing and related support activities .....	-	9	5	2 452	77 524	2 097	4 223	57 491	187 565	141 406	326 144	32 634
32311	Printing .....	-	8	4	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	4	4	2 340	74 452	2 002	4 028	55 401	181 818	140 477	319 502	D
333	Machinery manufacturing .....	-	8	5	f	D	D	D	D	D	D	D	2 742
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
337	Furniture and related product manufacturing .....	-	6	4	409	13 060	281	566	7 133	51 465	20 260	71 567	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	5	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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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>GALESBURG, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	70	25	5 671	183 572	4 697	9 027	133 660	385 681	859 517	1 247 396	17 659
311	Food manufacturing .....	-	5	3	1 242	38 085	1 124	2 524	29 923	94 622	383 158	477 992	2 638
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
326	Plastics and rubber products manufacturing .....	5	5	4	492	15 349	409	784	11 879	74 046	15 476	90 310	3 727
3262	Rubber product manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing .....	9	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	9	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	14	3	833	29 618	667	1 199	21 748	29 084	106 175	135 380	3 311
3323	Architectural and structural metals manufacturing .....	-	8	2	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
<b>HARRISBURG, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	4	28	6	e	D	D	D	D	D	D	D	638
<b>JACKSONVILLE, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	31	17	3 360	112 088	2 691	4 888	76 138	516 552	461 755	975 358	29 945
311	Food manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
3231	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
32312	Support activities for printing...	6	2	2	f	D	D	D	D	D	D	D	D
323121	Tradebinding and related work .....	6	2	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	2	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
334	Computer and electronic product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media.....	-	1	1	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	-	1	1	f	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	-	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>LINCOLN, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	24	6	1 427	47 438	1 211	2 424	37 021	198 922	221 872	420 301	8 947
335	Electrical equipment, appliance, and component manufacturing .....	-	2	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>MACOMB, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	2	30	12	1 510	48 331	1 229	2 355	36 434	102 313	76 407	176 550	5 426
327	Nonmetallic mineral product manufacturing .....	-	6	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	4	3	777	25 894	653	1 222	20 499	52 277	34 124	85 523	3 485
3329	Other fabricated metal product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	1	1	e	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
333	Machinery manufacturing .....	6	5	3	271	8 889	186	389	5 633	18 097	16 646	35 125	D
3331	Agriculture, construction, and mining machinery manufacturing .....	6	3	3	e	D	D	D	D	D	D	D	D
<b>MARION-HERRIN, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	50	13	2 713	92 159	1 945	3 621	58 993	206 176	346 067	549 485	35 291
312	Beverage and tobacco product manufacturing .....	1	2	2	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	1	2	2	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	1	2	2	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	1	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	11	2	e	D	D	D	D	D	D	D	1 427
3329	Other fabricated metal product manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	1	1	e	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
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
335224	Household laundry equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>MOUNT VERNON, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	-	48	9	2 652	112 508	2 041	3 845	78 134	463 349	424 026	891 147	D
326	Plastics and rubber products manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	7	3	280	10 421	181	268	5 798	33 240	77 906	119 121	151

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>OTTAWA-STREATOR, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	207	89	8 730	333 348	6 349	12 761	210 583	1 126 732	1 043 543	2 160 836	105 446
311	Food manufacturing .....	-	11	7	762	21 899	625	1 317	15 842	98 474	88 549	187 293	2 605
3119	Other food manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	18	5	535	18 510	403	798	12 562	47 170	28 770	75 672	2 900
3231	Printing and related support activities .....	2	18	5	535	18 510	403	798	12 562	47 170	28 770	75 672	2 900
32311	Printing .....	2	17	4	497	17 442	371	739	11 812	47 170	28 770	75 672	2 900
323110	Commercial lithographic printing .....	-	9	2	367	12 677	277	560	8 486	33 275	20 514	53 577	2 072
325	Chemical manufacturing .....	1	14	8	805	43 778	561	1 261	29 786	245 612	354 711	598 146	19 607
3251	Basic chemical manufacturing ...	5	7	4	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing .....	6	4	4	274	14 553	181	377	8 859	65 005	59 388	123 218	D
325188	All other basic inorganic chemical manufacturing .....	6	4	4	274	14 553	181	377	8 859	65 005	59 388	123 218	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	2	12	9	599	20 038	454	952	12 130	54 610	43 391	98 897	3 172
3261	Plastics product manufacturing ..	2	10	7	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	24	15	1 210	54 323	986	1 894	40 413	230 493	151 413	379 608	57 457
3272	Glass and glass product manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	3	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
3273	Cement and concrete product manufacturing .....	-	12	6	450	20 579	361	681	14 760	89 583	73 327	162 007	19 211
332	Fabricated metal product manufacturing .....	-	43	15	1 523	61 027	1 093	2 189	36 711	199 618	135 025	335 727	9 570
3325	Hardware manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	-	3	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	-	25	8	625	22 331	455	917	12 346	52 146	39 418	90 880	6 107
33271	Machine shops .....	-	18	4	328	12 695	212	445	5 699	28 330	20 527	48 276	5 546
332710	Machine shops .....	-	18	4	328	12 695	212	445	5 699	28 330	20 527	48 276	5 546
33272	Turned product and screw, nut, and bolt manufacturing .....	-	7	4	297	9 636	243	472	6 647	23 816	18 891	42 604	561
333	Machinery manufacturing .....	2	20	9	1 116	45 552	651	1 235	19 340	113 284	72 015	185 884	4 795
3339	Other general purpose machinery manufacturing .....	3	8	3	676	30 135	391	760	11 812	78 845	43 443	122 895	2 065
33392	Material handling equipment manufacturing .....	9	3	1	e	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	9	3	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	1	9	5	682	20 909	471	848	12 935	46 607	20 703	65 449	874
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	1	1	e	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	-	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>OTTAWA-STREATOR, IL MICROPOLITAN STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing .....	1	7	3	513	16 371	447	986	12 463	45 008	31 934	76 954	D
3363	Motor vehicle parts manufacturing .....	—	3	2	e	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
339	Miscellaneous manufacturing .....	—	8	2	e	D	D	D	D	D	D	D	D
<b>PONTIAC, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	55	19	4 531	192 053	3 113	6 597	122 157	613 722	479 248	1 089 858	54 761
323	Printing and related support activities .....	—	6	4	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	6	4	g	D	D	D	D	D	D	D	D
32311	Printing .....	—	5	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	5	3	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	1	3	3	253	8 515	206	392	7 016	21 478	38 110	59 070	D
3312	Steel product manufacturing from purchased steel .....	1	3	3	253	8 515	206	392	7 016	21 478	38 110	59 070	D
332	Fabricated metal product manufacturing .....	—	10	3	571	13 848	347	788	7 735	30 321	28 780	59 129	752
3323	Architectural and structural metals manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery 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
<b>QUINCY, IL-MO MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	98	35	5 680	231 729	3 763	7 588	125 844	647 819	818 680	1 443 594	41 233
311	Food manufacturing .....	—	11	5	740	30 581	342	753	11 430	89 797	333 178	422 494	D
3111	Animal food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	25	7	563	21 261	429	894	13 289	42 836	27 176	70 194	1 856

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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>QUINCY, IL-MO MICROPOLITAN STATISTICAL AREA—Con.</b>													
333	Machinery manufacturing .....	-	12	8	1 583	54 371	1 178	2 420	33 697	146 849	132 013	283 438	7 264
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	4	4	616	24 749	405	773	13 101	53 562	53 210	109 491	5 211
33391	Pump and compressor manufacturing .....	-	2	2	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
334	Computer and electronic product manufacturing .....	-	4	3	1 313	80 231	654	1 316	35 070	252 909	181 153	408 391	3 499
3342	Communications equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	6	3	280	6 785	234	385	5 183	13 225	8 470	19 670	D
<b>SPRINGFIELD, IL METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	3	137	40	3 656	138 253	2 342	4 459	74 007	280 483	372 084	649 742	19 814
321	Wood product manufacturing .....	-	9	4	285	9 917	215	426	6 145	21 453	38 215	59 428	2 677
323	Printing and related support activities .....	1	26	4	290	10 005	205	384	6 660	17 875	12 910	30 799	724
3231	Printing and related support activities .....	1	26	4	290	10 005	205	384	6 660	17 875	12 910	30 799	724
32311	Printing .....	1	24	4	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	9	5	3	310	17 939	199	429	10 940	30 259	130 804	161 891	4 482
332	Fabricated metal product manufacturing .....	-	12	6	392	14 422	275	527	8 271	28 983	12 765	42 101	2 604
333	Machinery manufacturing .....	-	12	3	1 095	42 334	667	1 358	19 258	89 015	72 380	156 000	3 347
3331	Agriculture, construction, and mining machinery manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	4	1	e	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	3	6	3	302	11 746	110	231	3 269	22 284	18 949	42 957	1 475

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>STERLING, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	100	38	4 550	163 207	3 437	6 934	108 249	415 400	351 411	770 112	28 083
311	Food manufacturing .....	—	8	5	304	11 188	174	301	4 824	14 335	37 513	52 233	805
332	Fabricated metal product manufacturing .....	—	34	17	1 989	67 932	1 510	3 037	46 407	175 274	133 424	310 631	12 701
3325	Hardware manufacturing .....	—	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
33251	Hardware manufacturing .....	—	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
332510	Hardware manufacturing .....	—	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	5	12	3	281	8 828	216	423	5 908	22 539	15 219	37 724	980
333	Machinery manufacturing .....	—	12	4	537	19 323	426	870	13 853	40 788	34 349	76 008	1 957
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	2	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	2	1	e	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
335	Electrical equipment, appliance, and component manufacturing .....	1	7	5	1 193	47 178	951	1 974	32 144	126 462	83 736	209 029	9 388
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
3353	Electrical equipment manufacturing .....	7	5	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	7	5	3	e	D	D	D	D	D	D	D	D
<b>TAYLORVILLE, IL MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	—	24	11	2 002	68 905	1 565	3 558	49 617	192 861	192 939	376 928	6 771
332	Fabricated metal product manufacturing .....	—	7	5	g	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	—	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 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	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>ADAMS</b>													
31-33	Manufacturing .....	-	91	33	i	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	10	5	f	D	D	D	D	D	D	D	D
3111	Animal food manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	-	4	3	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	25	7	563	21 261	429	894	13 289	42 836	27 176	70 194	1 856
333	Machinery manufacturing .....	-	12	8	1 583	54 371	1 178	2 420	33 697	146 849	132 013	283 438	7 264
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	4	4	616	24 749	405	773	13 101	53 562	53 210	109 491	5 211
334	Computer and electronic product manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BOND</b>													
31-33	Manufacturing .....	-	11	5	736	25 774	548	1 109	17 319	65 564	115 172	180 728	D
<b>BOONE</b>													
31-33	Manufacturing .....	-	65	22	4 174	226 033	3 476	7 156	186 443	631 473	1 707 054	2 330 011	D
311	Food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	25	9	753	27 944	570	1 158	18 741	61 863	41 800	103 169	1 471
336	Transportation equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BUREAU</b>													
31-33	Manufacturing .....	1	48	24	2 520	88 874	1 677	3 124	48 150	262 369	168 551	426 911	D
332	Fabricated metal product manufacturing .....	-	10	5	642	24 326	489	954	15 720	107 545	49 122	157 097	2 907
334	Computer and electronic product manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
<b>CARROLL</b>													
31-33	Manufacturing .....	-	27	9	1 113	35 525	884	1 731	23 656	144 565	132 525	263 050	8 080
<b>CASS</b>													
31-33	Manufacturing .....	-	11	6	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	3	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	3	2	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

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>CHAMPAIGN</b>													
31-33	Manufacturing .....	-	151	55	9 469	311 885	7 188	12 499	210 872	1 495 778	1 524 869	3 024 007	95 625
311	Food manufacturing .....	-	14	3	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	3	1	f	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 .....	-	3	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	26	5	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	1	26	5	f	D	D	D	D	D	D	D	D
32311	Printing .....	1	23	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	10	7	g	D	D	D	D	D	D	D	26 478
3261	Plastics product manufacturing ..	-	10	7	g	D	D	D	D	D	D	D	26 478
32616	Plastics bottle manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	7	4	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	4	3	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
33639	Other motor vehicle parts manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	20	7	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	-	13	5	f	D	D	D	D	D	D	D	D
<b>CHRISTIAN</b>													
31-33	Manufacturing .....	-	24	11	2 002	68 905	1 565	3 558	49 617	192 861	192 939	376 928	6 771
332	Fabricated metal product manufacturing .....	-	7	5	g	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>CLARK</b>													
31-33	Manufacturing .....	1	20	9	1 434	48 181	1 051	1 969	27 171	155 051	152 564	308 656	11 770
336	Transportation equipment manufacturing .....	-	2	1	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
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic 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	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>CLAY</b>													
31-33	Manufacturing .....	—	20	11	2 206	74 335	1 811	3 947	48 582	182 167	318 916	492 992	16 317
336	Transportation equipment manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>CLINTON</b>													
31-33	Manufacturing .....	5	44	15	1 141	30 941	872	1 734	19 306	120 730	82 587	205 276	5 233
<b>COLES</b>													
31-33	Manufacturing .....	—	48	18	h	D	D	D	D	D	D	D	D
311	Food manufacturing .....	—	5	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	—	9	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	—	9	2	g	D	D	D	D	D	D	D	D
32311	Printing .....	—	8	2	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	6	1	g	D	D	D	D	D	D	D	D
<b>COOK</b>													
31-33	Manufacturing .....	1	6 937	2 509	282 373	11 125 964	194 601	388 285	6 274 039	33 292 244	31 793 921	65 387 978	1 947 998
311	Food manufacturing .....	1	632	252	43 114	1 447 420	28 916	58 677	880 081	6 186 280	5 305 230	11 474 901	235 681
3112	Grain and oilseed milling .....	—	10	6	1 128	52 886	840	1 770	36 192	169 726	511 594	682 213	13 036
31122	Starch and vegetable fats and oils manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	—	49	20	8 432	255 521	5 359	10 952	185 339	1 550 874	811 638	2 375 517	59 391
31133	Confectionery manufacturing from purchased chocolate .....	—	24	8	5 045	139 321	2 519	5 270	96 992	852 467	432 705	1 294 722	D
311330	Confectionery manufacturing from purchased chocolate .....	—	24	8	5 045	139 321	2 519	5 270	96 992	852 467	432 705	1 294 722	D
31134	Nonchocolate confectionery manufacturing .....	—	20	11	h	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	—	20	11	h	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	47	26	4 784	138 365	3 693	7 622	86 410	456 781	372 180	829 479	17 602
31141	Frozen food manufacturing .....	—	27	14	3 604	101 117	2 726	5 860	60 749	280 560	265 198	545 179	9 869
311412	Frozen specialty food manufacturing .....	—	24	13	h	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	6	20	12	1 180	37 248	967	1 762	25 661	176 221	106 982	284 300	7 733
311421	Fruit and vegetable canning .....	3	13	9	728	26 720	604	1 078	18 991	73 822	88 168	161 855	4 102
3116	Animal slaughtering and processing .....	2	91	60	9 069	303 744	6 879	15 393	187 754	1 001 446	1 692 689	2 667 214	39 748
31161	Animal slaughtering and processing .....	2	91	60	9 069	303 744	6 879	15 393	187 754	1 001 446	1 692 689	2 667 214	39 748
311611	Animal (except poultry) slaughtering .....	2	23	14	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	2	59	40	5 823	199 896	4 369	9 779	120 726	589 532	985 238	1 570 746	D
311615	Poultry processing .....	1	8	5	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	1	308	87	13 663	465 976	8 411	15 607	269 935	1 972 647	877 452	2 842 035	59 151
31181	Bread and bakery product manufacturing .....	1	264	62	i	D	D	D	D	D	D	D	D
311811	Retail bakeries .....	4	199	31	2 015	33 999	1 075	1 565	18 557	65 314	31 475	96 220	1 937
311812	Commercial bakeries .....	—	61	28	i	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	1	33	17	h	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	1	16	11	h	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour .....	3	7	5	f	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

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>COOK—Con.</b>													
311	Food manufacturing—Con.												
3119	Other food manufacturing .....	2	99	44	5 472	208 604	3 384	6 586	104 489	959 518	783 085	1 746 813	42 663
31191	Snack food manufacturing .....	—	10	6	g	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing .....	—	4	3	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
31194	Seasoning and dressing manufacturing .....	4	19	12	1 352	61 773	734	1 578	29 598	381 130	264 826	648 897	D
311942	Spice and extract manufacturing .....	6	11	8	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing .....	2	58	23	g	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing .....	8	18	8	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing .....	1	40	15	1 810	78 362	945	1 910	35 259	159 433	231 465	389 818	D
312	Beverage and tobacco product manufacturing .....	—	22	12	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	—	21	11	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	—	18	10	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	—	11	7	g	D	D	D	D	D	D	D	D
313	Textile mills .....	4	26	6	f	D	D	D	D	D	D	D	1 055
314	Textile product mills .....	2	106	29	2 550	60 799	2 118	4 124	40 691	130 309	141 223	275 532	D
3141	Textile furnishings mills .....	—	58	12	1 073	25 185	880	1 685	17 174	50 171	74 887	126 070	D
31412	Curtain and linen mills .....	—	58	12	1 073	25 185	880	1 685	17 174	50 171	74 887	126 070	D
314129	Other household textile product mills .....	—	12	8	f	D	D	D	D	D	D	D	D
3149	Other textile product mills .....	3	48	17	1 477	35 614	1 238	2 439	23 517	80 138	66 336	149 462	D
31491	Textile bag and canvas mills .....	1	19	9	761	16 703	662	1 326	11 449	37 841	30 646	71 138	908
314912	Canvas and related product mills .....	1	18	9	f	D	D	D	D	D	D	D	908
31499	All other textile product mills .....	5	29	8	716	18 911	576	1 113	12 068	42 297	35 690	78 324	D
314999	All other miscellaneous textile product mills .....	6	27	7	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	4	129	36	3 798	97 761	2 626	4 709	46 848	177 108	184 750	368 657	D
3152	Cut and sew apparel manufacturing .....	6	88	27	h	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	7	43	10	516	7 865	462	766	6 289	11 700	2 220	13 971	D
31522	Men's and boys' cut and sew apparel manufacturing .....	6	22	10	g	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	11	2	f	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	34	6	f	D	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing .....	1	34	6	f	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
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
321	Wood product manufacturing .....	3	109	27	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	2	93	24	g	D	D	D	D	D	D	D	D
32191	Millwork .....	2	41	10	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	159	107	11 610	480 879	8 273	17 349	280 459	1 177 569	1 455 637	2 663 906	126 387
3222	Converted paper product manufacturing .....	2	156	104	j	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	2	87	64	6 991	296 948	4 947	10 488	171 192	678 339	923 063	1 623 116	51 473
322211	Corrugated and solid fiber box manufacturing .....	2	50	41	4 068	178 023	2 830	6 013	99 406	410 556	640 309	1 051 905	23 556
322212	Folding paperboard box manufacturing .....	1	23	14	1 848	87 058	1 376	2 945	53 909	222 522	214 119	433 057	D
32222	Paper bag and coated and treated paper manufacturing .....	2	32	20	2 486	103 964	1 671	3 440	54 254	290 230	323 538	621 103	18 274
322222	Coated and laminated paper manufacturing .....	1	21	12	1 453	62 541	896	1 829	29 994	195 074	195 899	396 033	12 489
32223	Stationery product manufacturing .....	—	18	10	980	33 342	752	1 525	22 253	78 321	83 937	162 337	D
322232	Envelope manufacturing .....	—	10	7	f	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing .....	2	19	10	f	D	D	D	D	D	D	D	1 027
322299	All other converted paper product manufacturing .....	2	16	10	749	22 697	594	1 209	14 462	50 995	33 862	84 240	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>COOK—Con.</b>													
323	Printing and related support activities .....	2	'998	'236	'21 182	'894 945	'15 134	'30 137	'542 385	'1 854 069	'1 150 500	'3 005 928	'108 190
3231	Printing and related support activities .....	2	'998	'236	'21 182	'894 945	'15 134	'30 137	'542 385	'1 854 069	'1 150 500	'3 005 928	'108 190
32311	Printing .....	2	866	187	'17 461	'741 627	'12 307	'24 324	'444 350	'1 571 431	'1 056 796	'2 630 488	'92 383
323110	Commercial lithographic printing .....	2	'409	'109	'10 609	'488 374	'7 489	'15 025	'295 833	'1 002 629	'684 494	'1 686 883	'73 120
323112	Commercial flexographic printing .....	2	25	8	546	22 315	325	638	10 122	48 414	36 495	84 445	1 731
323113	Commercial screen printing ..	1	'77	'16	'1 164	'35 746	'844	'1 684	'18 867	'70 464	'41 434	'112 201	D
323114	Quick printing .....	3	193	11	1 261	37 691	895	1 512	22 539	78 771	33 020	111 776	3 701
323115	Digital printing .....	-	31	11	961	45 433	627	1 228	26 683	90 135	60 705	150 234	3 046
323116	Manifold business forms printing .....	5	18	9	932	33 621	719	1 420	23 765	90 255	75 869	166 458	4 242
323118	Blankbook, looseleaf binders, and devices manufacturing ..	-	14	7	559	17 335	392	784	9 214	41 352	40 244	84 319	D
323119	Other commercial printing ..	1	'76	'10	833	34 633	593	1 088	22 875	96 077	53 565	149 723	1 429
32312	Support activities for printing ...	3	'132	'49	'3 721	'153 318	'2 827	'5 813	'98 035	'282 638	'93 704	'375 440	'15 807
323121	Tradebinding and related work .....	3	56	24	2 046	61 920	1 703	3 590	41 903	111 722	28 409	140 182	D
323122	Prepress services .....	3	'76	'25	'1 675	'91 398	'1 124	'2 223	'56 132	'170 916	'65 295	'235 258	D
324	Petroleum and coal products manufacturing .....	-	38	20	2 003	112 430	1 155	2 357	53 454	235 403	2 042 963	2 286 061	D
3241	Petroleum and coal products manufacturing .....	-	38	20	2 003	112 430	1 155	2 357	53 454	235 403	2 042 963	2 286 061	D
32411	Petroleum refineries .....	-	5	3	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	-	5	3	f	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing .....	-	17	9	587	23 933	408	749	13 203	171 833	199 485	362 441	D
32419	Other petroleum and coal products manufacturing .....	3	16	8	f	D	D	D	D	D	D	D	9 278
324191	Petroleum lubricating oil and grease manufacturing .....	3	14	6	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	303	144	14 806	698 046	8 814	17 966	319 704	3 730 058	2 849 923	6 665 226	154 180
3251	Basic chemical manufacturing ...	3	40	20	g	D	D	D	D	D	D	D	28 435
32518	Other basic inorganic chemical manufacturing .....	1	15	11	f	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing .....	2	14	10	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	5	17	7	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing .....	5	17	7	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	18	16	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	17	15	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	15	14	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	-	23	11	g	D	D	D	D	D	D	D	16 476
32541	Pharmaceutical and medicine manufacturing .....	-	23	11	g	D	D	D	D	D	D	D	16 476
325412	Pharmaceutical preparation manufacturing .....	-	16	7	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	-	66	30	2 899	133 709	1 609	3 231	52 506	485 422	728 285	1 222 588	19 315
32551	Paint and coating manufacturing .....	-	53	25	2 407	103 252	1 373	2 760	40 373	387 157	639 349	1 035 206	12 541
325510	Paint and coating manufacturing .....	-	53	25	2 407	103 252	1 373	2 760	40 373	387 157	639 349	1 035 206	12 541
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	74	33	5 194	224 021	3 242	6 623	104 982	1 549 991	700 686	2 285 041	53 453
32561	Soap and cleaning compound manufacturing .....	2	42	13	1 100	48 486	622	1 358	22 406	259 268	216 029	482 134	D
325611	Soap and other detergent manufacturing .....	2	21	6	721	29 955	392	879	12 184	144 174	111 224	255 167	2 616
32562	Toilet preparation manufacturing .....	1	32	20	4 094	175 535	2 620	5 265	82 576	1 290 723	484 657	1 802 907	D
325620	Toilet preparation manufacturing .....	1	32	20	4 094	175 535	2 620	5 265	82 576	1 290 723	484 657	1 802 907	D
3259	Other chemical product and preparation manufacturing .....	1	78	34	2 951	147 429	1 739	3 488	68 243	621 596	587 462	1 204 167	26 497
32591	Printing ink manufacturing .....	-	21	12	875	41 965	520	1 032	21 359	136 697	170 875	306 449	4 952
325910	Printing ink manufacturing .....	-	21	12	875	41 965	520	1 032	21 359	136 697	170 875	306 449	4 952
32599	All other chemical product and preparation manufacturing ...	1	57	22	2 076	105 464	1 219	2 456	46 884	484 899	416 587	897 718	21 545
325992	Photographic film, paper, plate, and chemical manufacturing .....	5	10	4	506	28 667	342	717	11 944	108 675	84 721	192 418	4 476
325998	All other miscellaneous chemical product and preparation manufacturing ..	-	36	14	1 304	66 989	710	1 399	30 317	345 109	295 047	637 885	13 232

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>COOK—Con.</b>													
326	Plastics and rubber products manufacturing .....	2	284	164	20 868	704 769	16 105	32 041	443 180	1 841 182	1 509 668	3 348 421	145 791
3261	Plastics product manufacturing ..	1	'247	'145	'18 273	'628 634	'14 248	'28 221	'394 085	'1 650 286	'1 356 232	'3 001 917	'128 806
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	—	33	22	2 523	98 278	2 036	4 599	70 709	281 631	309 985	592 860	29 749
326111	Plastics bag manufacturing ..	—	11	6	1 033	34 151	920	2 074	28 395	117 471	101 338	218 675	D
326112	Plastics packaging film and sheet (including laminated) manufacturing .....	—	11	10	917	42 414	696	1 576	28 834	107 609	118 001	225 240	9 583
326113	Un laminated plastics film and sheet (except packaging) manufacturing .....	1	11	6	573	21 713	420	949	13 480	56 551	90 646	148 945	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing .....	—	16	10	1 140	38 139	875	1 605	24 033	64 441	53 364	118 726	12 343
326121	Un laminated plastics profile shape manufacturing .....	—	13	10	1 127	37 728	864	1 584	23 745	63 204	51 037	115 162	D
32614	Polystyrene foam product manufacturing .....	8	9	5	528	17 497	445	855	12 722	58 430	37 715	96 219	4 293
326140	Polystyrene foam product manufacturing .....	8	9	5	528	17 497	445	855	12 722	58 430	37 715	96 219	4 293
32619	Other plastics product manufacturing .....	2	'172	'99	'13 048	'431 016	'10 103	'19 892	'259 463	'1 138 562	'871 861	'2 003 722	'73 249
326199	All other plastics product manufacturing .....	2	'169	'96	'12 960	'428 633	'10 032	'19 763	'257 508	'1 133 933	'870 352	'1 997 569	D
3262	Rubber product manufacturing ...	2	'37	'19	'2 595	'76 135	'1 857	'3 820	'49 095	'190 896	'153 436	'346 504	'16 985
32622	Rubber and plastics hoses and belting manufacturing .....	7	6	4	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	7	6	4	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing .....	—	'23	'13	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use .....	—	11	6	g	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing .....	1	'12	'7	f	D	D	D	D	D	D	D	'1 692
327	Nonmetallic mineral product manufacturing .....	2	156	'71	'5 082	193 318	'4 053	8 308	138 208	'509 633	471 170	974 529	34 296
3272	Glass and glass product manufacturing .....	1	37	13	2 122	63 665	1 740	3 403	42 058	197 827	180 254	374 049	7 567
32721	Glass and glass product manufacturing .....	1	37	13	2 122	63 665	1 740	3 403	42 058	197 827	180 254	374 049	7 567
327213	Glass container manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	30	10	1 523	37 816	1 214	2 263	20 649	108 219	137 336	248 229	D
3273	Cement and concrete product manufacturing .....	2	45	'27	'1 361	67 398	'1 100	2 408	54 182	'167 765	174 354	343 437	15 697
32732	Ready-mix concrete manufacturing .....	2	26	'18	'936	49 748	'806	1 784	43 106	'122 629	141 756	265 303	7 308
327320	Ready-mix concrete manufacturing .....	2	26	'18	'936	49 748	'806	1 784	43 106	'122 629	141 756	265 303	7 308
3279	Other nonmetallic mineral product manufacturing .....	2	49	23	1 127	44 494	815	1 638	27 641	115 612	65 270	177 593	D
32799	All other nonmetallic mineral product manufacturing .....	3	36	17	722	29 066	545	1 069	20 278	79 210	40 673	117 330	1 680
331	Primary metal manufacturing .....	1	135	77	10 415	448 795	7 336	16 048	260 567	1 095 475	1 516 292	2 666 678	61 192
3311	Iron and steel mills and ferroalloy manufacturing .....	—	13	10	1 457	62 171	1 051	2 405	39 196	92 783	186 892	285 084	8 362
33111	Iron and steel mills and ferroalloy manufacturing .....	—	13	10	1 457	62 171	1 051	2 405	39 196	92 783	186 892	285 084	8 362
331111	Iron and steel mills .....	—	13	10	1 457	62 171	1 051	2 405	39 196	92 783	186 892	285 084	8 362
3312	Steel product manufacturing from purchased steel .....	—	18	15	2 025	89 691	1 412	2 906	60 923	275 246	506 563	779 509	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	9	9	1 527	70 258	1 045	2 171	48 269	223 993	416 878	637 409	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	9	9	1 527	70 258	1 045	2 171	48 269	223 993	416 878	637 409	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	21	12	h	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	—	9	7	g	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing .....	—	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]

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>COOK—Con.</b>													
331	Primary metal manufacturing—Con.												
3315	Foundries .....	2	65	34	h	D	D	D	D	D	D	11 284	
33151	Ferrous metal foundries .....	7	15	7	g	D	D	D	D	D	D	2 203	
331513	Steel foundries (except investment) .....	9	6	2	f	D	D	D	D	D	D	D	
33152	Nonferrous metal foundries .....	1	50	27	2 733	96 687	2 182	4 787	66 991	239 686	146 982	386 642	9 081
331521	Aluminum die-casting foundries .....	—	15	9	1 604	54 750	1 322	3 056	40 299	136 605	84 393	219 702	D
332	Fabricated metal product manufacturing .....	1	'1 545	'564	'49 195	'1 870 749	'37 177	'75 024	'1 211 900	'4 362 837	'3 340 289	'7 693 446	'209 542
3321	Forging and stamping .....	2	166	83	9 116	344 913	7 153	14 165	233 235	655 171	745 429	1 400 583	35 621
33211	Forging and stamping .....	2	166	83	9 116	344 913	7 153	14 165	233 235	655 171	745 429	1 400 583	35 621
332111	Iron and steel forging .....	2	14	10	956	35 577	740	1 507	27 062	68 028	76 381	145 775	3 074
332112	Nonferrous forging .....	7	3	2	f	D	D	D	D	D	D	D	D
332116	Metal stamping .....	2	127	62	6 430	237 987	5 009	9 949	153 806	501 541	475 968	977 634	19 624
3322	Cutlery and handtool manufacturing .....	1	57	24	2 607	98 955	1 815	3 694	57 165	207 950	104 229	312 834	6 493
33221	Cutlery and handtool manufacturing .....	1	57	24	2 607	98 955	1 815	3 694	57 165	207 950	104 229	312 834	6 493
332212	Hand and edge tool manufacturing .....	1	49	20	2 287	87 980	1 594	3 220	49 751	175 089	85 691	259 817	5 542
3323	Architectural and structural metals manufacturing .....	2	'192	'77	'5 728	'210 498	'4 117	'8 234	'125 954	'521 922	'339 001	'854 824	'20 570
33231	Plate work and fabricated structural product manufacturing .....	3	61	27	1 579	63 988	1 055	2 204	34 543	135 542	127 998	257 983	5 483
332312	Fabricated structural metal manufacturing .....	3	45	18	1 129	49 124	749	1 571	26 384	108 019	105 100	208 594	4 383
33232	Ornamental and architectural metal products manufacturing .....	1	'131	'50	'4 149	'146 510	'3 062	'6 030	'91 411	'386 380	'211 003	'596 841	'15 087
332321	Metal window and door manufacturing .....	2	25	7	500	14 623	364	739	8 397	38 133	29 535	67 926	2 145
332322	Sheet metal work manufacturing .....	1	72	30	2 637	94 740	1 991	3 889	62 589	280 777	139 590	419 449	8 612
332323	Ornamental and architectural metal work manufacturing ..	1	'34	'13	'1 012	'37 147	'707	'1 402	'20 425	'67 470	'41 878	'109 466	'4 330
3324	Boiler, tank, and shipping container manufacturing .....	—	38	20	2 879	115 775	2 257	4 884	80 696	367 355	332 322	692 837	13 872
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	24	14	2 464	100 112	1 967	4 337	72 412	331 462	309 481	634 015	D
332431	Metal can manufacturing .....	—	7	5	999	52 020	881	1 975	44 260	218 947	176 345	390 844	D
332439	Other metal container manufacturing .....	—	17	9	1 465	48 092	1 086	2 362	28 152	112 515	133 136	243 171	5 893
3325	Hardware manufacturing .....	—	26	13	1 203	42 352	879	1 680	25 266	84 428	70 673	156 637	2 683
33251	Hardware manufacturing .....	—	26	13	1 203	42 352	879	1 680	25 266	84 428	70 673	156 637	2 683
332510	Hardware manufacturing .....	—	26	13	1 203	42 352	879	1 680	25 266	84 428	70 673	156 637	2 683
3326	Spring and wire product manufacturing .....	2	109	38	3 143	108 191	2 467	5 012	68 188	220 506	170 974	391 388	9 260
33261	Spring and wire product manufacturing .....	2	109	38	3 143	108 191	2 467	5 012	68 188	220 506	170 974	391 388	9 260
332612	Spring (light gauge) manufacturing .....	2	25	13	826	27 515	641	1 208	18 442	59 621	36 468	95 830	3 059
332618	Other fabricated wire product manufacturing .....	3	74	21	1 996	69 843	1 555	3 267	42 123	140 019	119 661	259 538	5 469
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	550	150	10 079	397 618	7 577	15 724	262 313	836 017	425 203	1 255 899	40 655
33271	Machine shops .....	2	409	84	5 390	212 244	4 080	8 273	142 061	420 135	174 415	588 626	15 984
332710	Machine shops .....	2	409	84	5 390	212 244	4 080	8 273	142 061	420 135	174 415	588 626	15 984
33272	Turned product and screw, nut, and bolt manufacturing .....	3	141	66	4 689	185 374	3 497	7 451	120 252	415 882	250 788	667 273	24 671
332721	Precision turned product manufacturing .....	2	88	40	2 761	110 275	2 192	4 646	78 014	216 184	94 771	310 845	16 322
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	3	53	26	1 928	75 099	1 305	2 805	42 238	199 698	156 017	356 428	8 349
3328	Coating, engraving, heat treating, and allied activities .....	—	238	94	6 890	244 645	5 301	10 984	160 909	524 882	351 183	878 346	29 335
33281	Coating, engraving, heat treating, and allied activities ..	—	238	94	6 890	244 645	5 301	10 984	160 909	524 882	351 183	878 346	29 335
332811	Metal heat treating .....	—	17	9	614	22 384	450	990	15 485	55 052	13 407	69 036	5 985
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	69	27	2 139	82 674	1 704	3 467	58 041	186 861	206 071	393 087	13 009
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	152	58	4 137	139 587	3 147	6 527	87 383	282 969	131 705	416 223	10 341

See footnotes at end of table.

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

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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>COOK—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing .....	1	169	65	7 550	307 802	5 611	10 647	198 174	944 606	801 275	1 750 098	51 053
33291	Metal valve manufacturing ....	1	34	22	2 814	127 559	2 039	4 053	76 970	360 287	257 602	620 838	10 146
332911	Industrial valve manufacturing .....	—	11	8	964	45 612	652	1 345	24 980	150 716	78 760	228 175	4 227
332913	Plumbing fixture fitting and trim manufacturing .....	—	9	5	1 142	54 282	853	1 613	35 224	133 293	117 820	255 960	D
33299	All other fabricated metal product manufacturing .....	1	135	43	4 736	180 243	3 572	6 594	121 204	584 319	543 673	1 129 260	40 907
332998	Enameled iron and metal sanitary ware manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing .....	—	100	32	3 371	129 688	2 633	4 834	88 830	417 590	469 863	888 673	34 818
333	Machinery manufacturing .....	2	661	226	18 647	854 100	11 143	22 512	418 460	1 867 097	1 478 368	3 322 070	76 067
3332	Industrial machinery manufacturing .....	2	95	40	2 739	126 725	1 398	2 794	53 346	250 437	198 572	448 430	9 934
33329	Other industrial machinery manufacturing .....	2	84	37	2 599	119 364	1 324	2 640	50 617	233 897	189 051	422 460	8 884
333293	Printing machinery and equipment manufacturing ..	—	26	13	f	D	D	D	D	D	D	D	1 585
333294	Food product machinery manufacturing .....	—	11	7	505	23 774	275	559	12 289	39 190	34 988	75 823	D
333298	All other industrial machinery manufacturing .....	3	38	14	1 367	62 232	649	1 302	24 559	126 729	101 890	226 098	3 534
3333	Commercial and service industry machinery manufacturing .....	2	64	27	3 407	153 216	1 572	3 198	52 328	379 369	288 067	651 560	16 495
33331	Commercial and service industry machinery manufacturing .....	2	64	27	3 407	153 216	1 572	3 198	52 328	379 369	288 067	651 560	16 495
333311	Automatic vending machine manufacturing .....	—	5	1	f	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	4	29	14	1 395	59 819	740	1 536	26 015	154 206	150 050	300 576	8 611
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	2	29	17	1 136	36 815	816	1 569	19 482	60 573	66 288	126 684	3 712
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	2	29	17	1 136	36 815	816	1 569	19 482	60 573	66 288	126 684	3 712
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	3	14	10	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	3	297	66	4 430	206 911	3 074	6 199	124 836	408 362	195 843	600 759	23 041
33351	Metalworking machinery manufacturing .....	3	297	66	4 430	206 911	3 074	6 199	124 836	408 362	195 843	600 759	23 041
333511	Industrial mold manufacturing .....	1	79	17	1 007	48 915	755	1 493	33 805	95 573	34 851	127 879	9 775
333512	Machine tool (metal cutting types) manufacturing .....	6	13	9	630	30 793	335	725	14 037	66 740	57 866	123 725	3 641
333514	Special die and tool, die set, jig, and fixture manufacturing .....	2	126	25	1 590	75 573	1 119	2 271	45 353	142 015	44 951	187 139	4 650
333515	Cutting tool and machine tool accessory manufacturing .....	6	65	10	863	33 184	649	1 286	21 882	63 718	33 073	98 195	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	24	13	1 739	88 281	1 273	2 418	58 229	230 515	359 701	582 202	6 709
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	24	13	1 739	88 281	1 273	2 418	58 229	230 515	359 701	582 202	6 709
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	3	18	9	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	143	59	4 831	227 900	2 757	5 851	102 721	525 940	356 473	885 193	15 801
33391	Pump and compressor manufacturing .....	—	15	10	1 384	71 666	784	1 803	31 610	167 602	113 117	283 012	5 243
333911	Pump and pumping equipment manufacturing ..	—	11	8	g	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing .....	2	29	15	1 005	42 174	582	1 191	21 376	90 711	72 311	160 114	1 636

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>COOK—Con.</b>													
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing—Con.												
33399	All other general purpose machinery manufacturing . . . .	2	99	34	2 442	114 060	1 391	2 857	49 735	267 627	171 045	442 067	8 922
333993	Packaging machinery manufacturing . . . . .	2	22	10	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing . . . . .	2	50	14	980	40 295	557	1 114	17 754	79 584	54 782	137 222	2 328
334	Computer and electronic product manufacturing . . . . .	—	'262	108	'15 387	'767 466	'7 973	'15 014	'257 732	'2 274 283	'2 339 038	'4 796 131	65 824
3342	Communications equipment manufacturing . . . . .	—	37	16	2 729	142 206	1 557	3 440	62 251	968 354	1 112 355	2 255 902	12 796
33422	Radio and television broadcasting and wireless communications equipment manufacturing . . . . .	—	14	5	g	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing . . . . .	—	14	5	g	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing . . . . .	3	15	7	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing . . . . .	3	15	7	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing . . . . .	—	8	4	g	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing . . . . .	—	8	4	g	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing . . . . .	—	8	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing . . . . .	1	99	45	4 531	145 217	3 024	5 559	71 729	297 444	203 490	502 046	19 193
33441	Semiconductor and other electronic component manufacturing . . . . .	1	99	45	4 531	145 217	3 024	5 559	71 729	297 444	203 490	502 046	19 193
334412	Bare printed circuit board manufacturing . . . . .	—	21	11	1 161	33 214	854	1 383	16 908	62 032	46 631	108 141	5 476
334418	Printed circuit assembly (electronic assembly) manufacturing . . . . .	1	10	7	778	22 945	410	793	10 738	44 324	47 830	93 565	D
334419	Other electronic component manufacturing . . . . .	2	37	11	1 299	48 313	819	1 646	22 523	98 616	69 608	168 022	9 254
3345	Navigational, measuring, electromedical, and control instruments manufacturing . . . . .	—	'80	34	'6 330	'399 127	'2 550	'4 494	'99 191	'823 838	'790 190	'1 611 612	24 696
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . . . .	—	'80	34	'6 330	'399 127	'2 550	'4 494	'99 191	'823 838	'790 190	'1 611 612	24 696
334510	Electromedical and electrotherapeutic apparatus manufacturing . . . . .	—	8	6	1 035	48 012	545	1 083	12 969	146 425	101 897	251 476	3 288
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing . . . . .	—	4	2	g	D	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing . . . . .	—	11	5	1 127	76 350	480	949	24 938	211 709	226 090	403 360	3 548
335	Electrical equipment, appliance, and component manufacturing . . . . .	—	'192	92	'14 251	'574 168	'9 229	'18 971	'284 846	'1 584 641	'1 175 880	'2 761 998	85 863
3351	Electric lighting equipment manufacturing . . . . .	1	48	26	3 205	104 060	2 192	4 157	51 761	351 168	196 848	546 790	D
33512	Lighting fixture manufacturing . . . . .	1	45	24	h	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing . . . . .	2	18	10	g	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing . . . . .	—	17	9	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing . . . . .	—	10	5	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing . . . . .	—	7	5	1 566	59 222	864	1 783	24 907	199 136	239 349	436 558	D
33522	Major appliance manufacturing . . . . .	—	3	2	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance 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.**

[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>COOK—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing—Con.												
3353	Electrical equipment manufacturing .....	—	76	36	6 495	287 655	4 053	8 724	139 609	662 653	439 091	1 107 909	46 239
33531	Electrical equipment manufacturing .....	—	76	36	6 495	287 655	4 053	8 724	139 609	662 653	439 091	1 107 909	46 239
335311	Power, distribution, and specialty transformer manufacturing .....	—	9	7	892	35 283	453	848	11 005	84 230	94 945	184 552	D
335312	Motor and generator manufacturing .....	—	16	9	1 509	60 254	1 114	2 253	38 438	134 288	72 114	205 781	5 878
335313	Switchgear and switchboard apparatus manufacturing .....	—	18	11	3 575	169 069	2 190	5 055	81 815	397 144	235 821	633 411	D
335314	Relay and industrial control manufacturing .....	4	33	9	519	23 049	296	568	8 351	46 991	36 211	84 165	1 792
3359	Other electrical equipment and component manufacturing .....	1	61	25	2 985	123 231	2 120	4 307	68 569	371 684	300 592	670 741	20 780
33593	Wiring device manufacturing .....	—	27	14	2 264	95 107	1 624	3 295	53 531	310 483	224 448	534 465	18 081
335931	Current-carrying wiring device manufacturing .....	3	19	8	831	30 850	625	1 246	17 487	73 895	72 667	146 431	D
335932	Noncurrent-carrying wiring device manufacturing .....	—	8	6	1 433	64 257	999	2 049	36 044	236 588	151 781	388 034	D
336	Transportation equipment manufacturing .....	—	150	75	15 607	719 643	12 097	20 830	496 519	2 513 437	4 151 596	6 624 238	84 475
3361	Motor vehicle manufacturing .....	—	6	1	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	6	1	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing .....	—	3	1	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	111	56	9 839	352 146	8 110	12 601	255 937	916 214	968 159	1 860 519	47 355
33632	Motor vehicle electrical and electronic equipment manufacturing .....	3	23	8	945	30 155	693	1 294	16 615	83 699	71 377	156 168	4 374
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	4	19	5	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	—	7	2	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	—	12	7	1 742	76 879	1 370	2 896	52 631	247 925	177 872	422 876	12 193
336350	Motor vehicle transmission and power train parts manufacturing .....	—	12	7	1 742	76 879	1 370	2 896	52 631	247 925	177 872	422 876	12 193
33637	Motor vehicle metal stamping .....	—	28	20	5 077	184 885	4 342	5 071	143 677	441 927	487 505	910 740	D
336370	Motor vehicle metal stamping .....	—	28	20	5 077	184 885	4 342	5 071	143 677	441 927	487 505	910 740	D
33639	Other motor vehicle parts manufacturing .....	6	22	10	664	20 815	534	1 071	14 215	47 239	59 889	107 252	4 029
336399	All other motor vehicle parts manufacturing .....	6	22	10	664	20 815	534	1 071	14 215	47 239	59 889	107 252	4 029
3365	Railroad rolling stock manufacturing .....	—	13	10	g	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	—	13	10	g	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	—	13	10	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	354	93	10 121	304 953	7 773	15 750	187 906	669 078	501 344	1 163 875	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	4	227	40	3 463	94 683	2 836	5 595	66 162	198 043	152 156	350 133	D
33711	Wood kitchen cabinet and countertop manufacturing .....	5	104	11	1 023	29 291	796	1 599	19 294	61 445	42 987	104 633	D
337110	Wood kitchen cabinet and countertop manufacturing .....	5	104	11	1 023	29 291	796	1 599	19 294	61 445	42 987	104 633	D
33712	Household and institutional furniture manufacturing .....	3	123	29	2 440	65 392	2 040	3 996	46 868	136 598	109 169	245 500	D
337121	Upholstered household furniture manufacturing .....	1	41	10	634	16 183	545	1 045	12 246	45 917	38 261	83 945	D
337122	Nonupholstered wood household furniture manufacturing .....	7	51	6	883	19 903	789	1 588	16 249	38 882	29 986	68 746	D
337127	Institutional furniture manufacturing .....	4	20	9	f	D	D	D	D	D	D	D	2 442

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>COOK—Con.</b>													
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing .....	1	'94	'45	'5 984	'189 124	'4 487	'9 399	'111 119	'427 635	'306 944	'728 051	D
33721	Office furniture (including fixtures) manufacturing .....	1	'94	'45	'5 984	'189 124	'4 487	'9 399	'111 119	'427 635	'306 944	'728 051	D
337211	Wood office furniture manufacturing .....	6	15	6	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing .....	—	'20	'9	'696	'33 437	'413	'828	'16 428	'68 826	'34 094	'100 362	D
337214	Office furniture (except wood) manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing .....	1	50	27	3 795	103 869	2 896	6 075	62 559	237 207	195 172	434 561	D
3379	Other furniture related product manufacturing .....	5	33	8	674	21 146	450	756	10 625	43 400	42 244	85 691	D
339	Miscellaneous manufacturing .....	2	649	159	18 761	'742 993	'11 200	'21 490	'317 316	'1 868 942	'1 252 285	'3 137 167	'96 281
3391	Medical equipment and supplies manufacturing .....	1	248	38	4 865	185 709	2 879	5 890	81 704	436 378	223 622	665 084	39 290
33911	Medical equipment and supplies manufacturing .....	1	248	38	4 865	185 709	2 879	5 890	81 704	436 378	223 622	665 084	39 290
339112	Surgical and medical instrument manufacturing ..	1	22	9	812	30 140	491	1 076	13 323	84 549	32 113	117 678	D
339113	Surgical appliance and supplies manufacturing ....	3	33	9	862	28 738	603	1 324	11 797	55 038	30 205	86 852	2 779
339114	Dental equipment and supplies manufacturing ....	—	31	8	1 219	52 496	561	1 114	18 969	166 380	94 202	263 836	10 066
339115	Ophthalmic goods manufacturing .....	2	15	4	f	D	D	D	D	D	D	D	D
339116	Dental laboratories .....	4	143	5	749	23 960	545	1 035	16 993	38 905	9 115	47 834	D
3399	Other miscellaneous manufacturing .....	3	401	121	13 896	'557 284	'8 321	'15 600	'235 612	'1 432 564	'1 028 663	'2 472 083	'56 991
33991	Jewelry and silverware manufacturing .....	2	46	10	f	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing .....	—	'22	'7	'1 172	'62 672	'402	'836	'10 900	'262 898	'155 977	'418 091	D
339920	Sporting and athletic goods manufacturing .....	—	'22	'7	'1 172	'62 672	'402	'836	'10 900	'262 898	'155 977	'418 091	D
33993	Doll, toy, and game manufacturing .....	3	21	4	524	20 447	345	666	9 020	55 135	81 341	145 358	D
33994	Office supplies (except paper) manufacturing .....	6	29	10	g	D	D	D	D	D	D	D	11 586
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
33995	Sign manufacturing .....	4	'97	'30	'2 425	'106 106	'1 309	'2 479	'40 042	'242 280	'179 623	'419 420	'8 892
339950	Sign manufacturing .....	4	'97	'30	'2 425	'106 106	'1 309	'2 479	'40 042	'242 280	'179 623	'419 420	'8 892
33999	All other miscellaneous manufacturing .....	2	186	60	7 358	277 853	4 822	8 828	138 143	495 148	380 999	881 537	22 245
339991	Gasket, packing, and sealing device manufacturing .....	—	25	11	2 945	122 169	1 942	3 235	61 536	201 115	163 117	367 854	12 182
339994	Broom, brush, and mop manufacturing .....	2	10	7	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	3	130	33	h	D	D	D	D	D	D	D	D
<b>CRAWFORD</b>													
31-33	Manufacturing .....	—	19	7	2 215	96 565	1 763	3 684	69 232	520 591	2 328 202	2 860 535	D
311	Food manufacturing .....	—	2	1	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
324	Petroleum and coal products manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	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>DEKALB</b>													
31-33	Manufacturing .....	2	139	54	5 308	185 187	3 840	7 465	107 821	596 251	493 356	1 100 894	32 745
326	Plastics and rubber products manufacturing .....	1	6	5	511	19 519	388	710	11 595	32 428	20 143	52 182	D
332	Fabricated metal product manufacturing .....	2	32	7	804	29 448	613	1 210	19 247	87 232	76 394	164 118	9 045
333	Machinery manufacturing .....	6	16	6	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	9	5	954	33 884	624	1 180	15 208	126 068	36 100	178 404	D
<b>DE WITT</b>													
31-33	Manufacturing .....	3	12	6	641	23 829	446	858	13 162	79 009	59 641	138 774	1 799
<b>DOUGLAS</b>													
31-33	Manufacturing .....	2	89	19	2 538	82 739	2 028	3 814	55 107	252 208	236 545	481 222	16 995
332	Fabricated metal product manufacturing .....	—	13	4	738	24 179	579	1 013	16 516	56 424	55 292	109 486	D
<b>DUPAGE</b>													
31-33	Manufacturing .....	1	1 985	679	67 071	2 823 832	44 107	89 084	1 492 516	7 707 637	6 341 791	14 151 643	438 876
311	Food manufacturing .....	1	86	32	4 610	197 258	3 476	6 925	133 012	1 141 927	698 763	1 841 634	71 373
3112	Grain and oilseed milling .....	—	2	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	5	7	3	899	45 218	675	1 480	30 916	271 219	131 668	404 055	8 676
31152	Ice cream and frozen dessert manufacturing .....	6	4	2	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing .....	6	4	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	1	37	11	1 008	31 702	733	1 334	22 171	60 274	39 849	102 900	5 781
31181	Bread and bakery product manufacturing .....	1	37	11	1 008	31 702	733	1 334	22 171	60 274	39 849	102 900	5 781
311812	Commercial bakeries .....	—	6	5	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	1	21	9	g	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	—	6	5	651	28 953	389	707	11 764	80 526	171 453	246 734	D
311942	Spice and extract manufacturing .....	—	6	5	651	28 953	389	707	11 764	80 526	171 453	246 734	D
322	Paper manufacturing .....	—	41	20	1 763	76 119	1 293	2 869	48 430	174 127	275 068	449 149	17 924
3222	Converted paper product manufacturing .....	—	41	20	1 763	76 119	1 293	2 869	48 430	174 127	275 068	449 149	17 924
32221	Paperboard container manufacturing .....	—	27	12	1 002	44 934	769	1 732	30 996	106 620	204 058	310 418	13 427
322211	Corrugated and solid fiber box manufacturing .....	—	17	10	644	26 794	475	1 082	16 669	64 212	134 223	197 926	D
323	Printing and related support activities .....	1	338	90	8 385	353 250	5 911	11 470	201 774	776 224	468 657	1 243 428	34 738
3231	Printing and related support activities .....	1	338	90	8 385	353 250	5 911	11 470	201 774	776 224	468 657	1 243 428	34 738
32311	Printing .....	1	305	83	7 868	333 138	5 542	10 785	190 760	724 105	461 411	1 184 829	32 898
323110	Commercial lithographic printing .....	—	142	47	5 409	245 252	3 788	7 415	139 941	497 184	319 961	816 004	24 296
32312	Support activities for printing .....	2	33	7	517	20 112	369	685	11 014	52 119	7 246	58 599	1 840
325	Chemical manufacturing .....	2	83	27	2 288	121 070	1 197	2 427	45 988	371 245	447 544	824 892	23 174
3259	Other chemical product and preparation manufacturing .....	1	25	8	640	36 475	374	810	17 174	78 264	141 256	219 557	3 831
326	Plastics and rubber products manufacturing .....	1	125	76	8 490	271 562	6 042	12 550	179 688	718 398	755 892	1 488 736	63 848
3261	Plastics product manufacturing ..	1	115	71	8 099	259 896	5 769	12 019	172 379	692 742	729 914	1 437 079	62 910
32616	Plastics bottle manufacturing ..	—	7	7	535	23 201	446	1 030	18 326	86 110	82 464	165 468	14 784
326160	Plastics bottle manufacturing .....	—	7	7	535	23 201	446	1 030	18 326	86 110	82 464	165 468	14 784
32619	Other plastics product manufacturing .....	1	79	49	5 907	181 482	3 942	8 527	115 070	478 071	487 570	982 923	37 616
326199	All other plastics product manufacturing .....	1	77	47	i	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>DUPAGE—Con.</b>													
327	Nonmetallic mineral product manufacturing .....	—	38	17	1 422	72 343	869	1 882	33 731	180 226	147 042	334 586	9 495
3279	Other nonmetallic mineral product manufacturing .....	—	12	5	680	39 378	394	826	15 248	103 284	66 459	174 185	6 675
32791	Abrasive product manufacturing .....	—	6	4	575	35 159	296	624	11 448	96 943	60 709	162 238	D
327910	Abrasive product manufacturing .....	—	6	4	575	35 159	296	624	11 448	96 943	60 709	162 238	D
331	Primary metal manufacturing .....	1	24	10	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	'436	'148	'9 820	'385 393	'7 259	'14 823	'241 526	'898 734	'498 890	'1 399 663	'50 468
3321	Forging and stamping.....	3	35	19	1 245	46 939	932	1 999	29 938	109 582	74 960	183 411	4 459
33211	Forging and stamping.....	3	35	19	1 245	46 939	932	1 999	29 938	109 582	74 960	183 411	4 459
332116	Metal stamping .....	3	29	15	1 005	37 978	747	1 593	24 041	83 798	54 291	136 899	2 791
3323	Architectural and structural metals manufacturing .....	2	54	23	1 323	51 745	913	1 813	28 569	110 858	71 917	183 828	6 086
33232	Ornamental and architectural metal products manufacturing .....	2	43	19	1 040	41 971	688	1 382	22 116	94 246	60 457	155 616	5 966
332322	Sheet metal work manufacturing .....	2	32	14	869	34 023	595	1 183	18 975	60 700	46 091	107 473	5 144
3326	Spring and wire product manufacturing .....	2	25	9	503	15 461	399	781	10 112	32 125	24 953	56 882	3 539
33261	Spring and wire product manufacturing .....	2	25	9	503	15 461	399	781	10 112	32 125	24 953	56 882	3 539
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	194	50	3 819	156 576	2 786	5 805	97 528	350 551	178 779	528 744	23 892
33271	Machine shops .....	5	143	18	1 415	55 620	1 116	2 151	38 811	112 708	48 975	161 393	7 198
332710	Machine shops .....	5	143	18	1 415	55 620	1 116	2 151	38 811	112 708	48 975	161 393	7 198
33272	Turned product and screw, nut, and bolt manufacturing .....	3	51	32	2 404	100 956	1 670	3 654	58 717	237 843	129 804	367 351	16 694
332721	Precision turned product manufacturing .....	2	33	18	1 256	48 079	968	2 135	33 312	104 608	43 163	145 211	7 310
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	4	18	14	1 148	52 877	702	1 519	25 405	133 235	86 641	222 140	9 384
3328	Coating, engraving, heat treating, and allied activities .....	1	48	18	967	33 988	725	1 461	21 615	73 351	22 694	95 725	2 929
33281	Coating, engraving, heat treating, and allied activities ..	1	48	18	967	33 988	725	1 461	21 615	73 351	22 694	95 725	2 929
3329	Other fabricated metal product manufacturing .....	—	54	18	1 426	60 081	1 103	2 208	40 263	168 635	69 907	242 132	4 975
33291	Metal valve manufacturing ....	—	15	9	661	26 052	487	1 006	15 118	69 042	43 580	114 093	2 171
33299	All other fabricated metal product manufacturing .....	1	39	9	765	34 029	616	1 202	25 145	99 593	26 327	128 039	2 804
333	Machinery manufacturing .....	—	'294	'96	'12 859	'639 201	'7 382	'15 287	'291 868	'1 757 371	'1 587 426	'3 362 897	'90 920
3331	Agriculture, construction, and mining machinery manufacturing .....	—	5	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	1	'46	'19	g	D	D	D	D	D	D	D	'4 288
33329	Other industrial machinery manufacturing .....	2	'37	'16	'1 434	'71 017	'819	'1 752	'31 907	'138 863	'119 832	'263 713	'2 073
333293	Printing machinery and equipment manufacturing ..	2	20	10	637	33 225	299	621	11 865	60 595	70 984	134 174	D
3333	Commercial and service industry machinery manufacturing .....	—	'14	'7	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	'14	'7	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	—	'12	'6	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	19	9	1 661	67 796	1 007	1 995	33 779	173 714	166 831	337 293	4 934
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	1	19	9	1 661	67 796	1 007	1 995	33 779	173 714	166 831	337 293	4 934
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	—	6	4	839	31 783	577	1 195	18 019	98 216	108 757	203 516	3 367

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>DUPAGE—Con.</b>													
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing .....	2	'136	'32	'2 241	'109 148	'1 582	'3 256	'71 144	'196 664	'98 330	'290 155	'12 844
33351	Metalworking machinery manufacturing .....	2	'136	'32	'2 241	'109 148	'1 582	'3 256	'71 144	'196 664	'98 330	'290 155	'12 844
333511	Industrial mold manufacturing .....	1	53	10	660	35 313	507	1 092	26 281	59 451	22 186	81 716	2 975
333514	Special die and tool, die set, jig, and fixture manufacturing .....	3	47	10	808	38 212	586	1 191	25 456	63 921	24 874	88 455	7 160
3336	Engine, turbine, and power transmission equipment manufacturing .....	3	7	4	f	D	D	D	D	D	D	D	2 746
33361	Engine, turbine, and power transmission equipment manufacturing .....	3	7	4	f	D	D	D	D	D	D	D	2 746
3339	Other general purpose machinery manufacturing .....	1	67	24	3 794	181 536	2 145	4 187	73 187	468 736	239 338	704 189	27 617
33391	Pump and compressor manufacturing .....	1	11	5	1 331	52 211	991	1 961	33 190	152 555	49 719	201 855	D
333912	Air and gas compressor manufacturing .....	1	8	3	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	1	45	18	2 090	108 808	950	1 807	31 081	273 345	174 916	443 708	D
333993	Packaging machinery manufacturing .....	—	8	5	805	58 164	107	197	6 234	142 041	113 541	251 080	D
333999	All other miscellaneous general purpose machinery manufacturing .....	6	24	5	570	22 215	379	739	12 374	62 842	24 270	88 149	2 534
334	Computer and electronic product manufacturing .....	1	144	61	7 356	315 844	3 872	7 639	102 292	725 640	607 542	1 379 156	23 713
3341	Computer and peripheral equipment manufacturing .....	—	9	3	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	9	3	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	7	3	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	2	16	9	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	3	8	4	1 467	59 367	491	1 046	13 882	94 149	130 185	268 621	D
334210	Telephone apparatus manufacturing .....	3	8	4	1 467	59 367	491	1 046	13 882	94 149	130 185	268 621	D
3344	Semiconductor and other electronic component manufacturing .....	2	77	32	2 562	80 170	1 963	3 855	44 580	178 919	142 110	324 702	D
33441	Semiconductor and other electronic component manufacturing .....	2	77	32	2 562	80 170	1 963	3 855	44 580	178 919	142 110	324 702	D
334412	Bare printed circuit board manufacturing .....	2	28	13	850	27 112	675	1 371	17 563	51 568	37 366	90 180	4 422
334418	Printed circuit assembly (electronic assembly) manufacturing .....	1	11	7	801	24 529	586	1 224	11 613	47 274	58 496	106 544	1 466
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	1	30	13	1 783	86 089	813	1 432	19 070	221 560	158 521	380 848	5 974
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	30	13	1 783	86 089	813	1 432	19 070	221 560	158 521	380 848	5 974
335	Electrical equipment, appliance, and component manufacturing .....	2	54	19	2 124	83 177	1 568	3 072	49 857	171 741	126 793	302 834	3 407
3353	Electrical equipment manufacturing .....	2	28	11	1 140	48 079	808	1 505	27 407	95 902	84 307	184 346	1 502
33531	Electrical equipment manufacturing .....	2	28	11	1 140	48 079	808	1 505	27 407	95 902	84 307	184 346	1 502
335314	Relay and industrial control manufacturing .....	2	17	7	809	36 338	571	1 038	21 038	69 653	62 340	135 875	930
3359	Other electrical equipment and component manufacturing .....	1	21	6	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	—	6	2	559	19 167	478	982	14 322	44 242	24 205	68 662	D
336	Transportation equipment manufacturing .....	1	51	22	2 887	128 139	1 837	3 537	71 179	343 418	336 301	681 312	36 413

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>DUPAGE—Con.</b>													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing .....	—	34	16	g	D	D	D	D	D	D	33 694	
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	8	7	593	21 748	291	608	6 501	124 050	70 615	197 718	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	—	8	7	593	21 748	291	608	6 501	124 050	70 615	197 718	D
33637	Motor vehicle metal stamping ..	—	9	6	1 649	75 352	1 111	2 085	47 320	145 608	192 169	336 970	31 598
336370	Motor vehicle metal stamping .....	—	9	6	1 649	75 352	1 111	2 085	47 320	145 608	192 169	336 970	31 598
337	Furniture and related product manufacturing .....	3	74	14	1 063	37 358	783	1 629	21 655	95 061	70 550	167 144	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	57	7	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	1	131	34	2 532	93 165	1 572	2 981	43 005	251 216	204 216	456 519	6 395
3391	Medical equipment and supplies manufacturing .....	1	42	12	635	21 123	487	868	13 369	48 017	17 242	64 901	D
33911	Medical equipment and supplies manufacturing .....	1	42	12	635	21 123	487	868	13 369	48 017	17 242	64 901	D
3399	Other miscellaneous manufacturing .....	1	89	22	1 897	72 042	1 085	2 113	29 636	203 199	186 974	391 618	D
33995	Sign manufacturing .....	1	33	6	650	25 324	270	510	9 180	49 819	48 328	97 492	D
339950	Sign manufacturing .....	1	33	6	650	25 324	270	510	9 180	49 819	48 328	97 492	D
33999	All other miscellaneous manufacturing .....	—	41	13	1 025	40 505	645	1 300	17 214	137 690	127 477	267 267	3 907
339999	All other miscellaneous manufacturing .....	—	36	12	f	D	D	D	D	D	D	D	D
<b>EDGAR</b>													
31-33	Manufacturing .....	—	27	13	1 718	44 235	1 343	2 666	30 722	137 197	152 154	289 691	16 607
326	Plastics and rubber products manufacturing .....	—	5	5	f	D	D	D	D	D	D	D	4 007
3261	Plastics product manufacturing ..	1	4	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	1	3	3	f	D	D	D	D	D	D	D	D
<b>EDWARDS</b>													
31-33	Manufacturing .....	—	6	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	—	2	2	g	D	D	D	D	D	D	D	D
<b>EFFINGHAM</b>													
31-33	Manufacturing .....	—	68	28	4 777	154 091	3 851	7 573	104 595	564 109	430 435	992 022	54 214
321	Wood product manufacturing .....	—	9	3	559	15 379	461	870	10 198	21 793	50 707	72 912	1 308
323	Printing and related support activities .....	—	9	5	2 452	77 524	2 097	4 223	57 491	187 565	141 406	326 144	32 634
3231	Printing and related support activities .....	—	9	5	2 452	77 524	2 097	4 223	57 491	187 565	141 406	326 144	32 634
32311	Printing .....	—	8	4	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	4	4	2 340	74 452	2 002	4 028	55 401	181 818	140 477	319 502	D
333	Machinery manufacturing .....	—	8	5	f	D	D	D	D	D	D	D	2 742
<b>FAYETTE</b>													
31-33	Manufacturing .....	—	19	5	1 008	30 603	934	1 447	26 724	84 286	81 344	167 178	13 565
<b>FORD</b>													
31-33	Manufacturing .....	—	20	8	f	D	D	D	D	D	D	D	2 544

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>FRANKLIN</b>													
31-33	Manufacturing .....	-	37	8	1 323	38 241	996	1 963	28 063	120 579	124 805	245 136	6 048
336	Transportation equipment manufacturing .....	-	3	3	951	28 927	707	1 390	22 345	73 395	110 524	183 906	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>GRUNDY</b>													
31-33	Manufacturing .....	1	45	16	1 602	81 583	1 150	2 333	53 624	566 152	588 789	1 143 526	12 499
325	Chemical manufacturing .....	1	7	5	728	50 663	478	1 098	33 029	486 979	504 286	979 584	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>HANCOCK</b>													
31-33	Manufacturing .....	-	26	3	1 616	38 398	970	1 759	18 543	100 266	103 519	219 811	5 440
336	Transportation equipment manufacturing .....	-	1	1	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
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
<b>HENRY</b>													
31-33	Manufacturing .....	-	52	18	4 105	110 723	3 331	7 242	79 669	330 740	1 020 532	1 383 355	6 694
311	Food manufacturing .....	-	11	5	h	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	5	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	5	3	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	4	2	g	D	D	D	D	D	D	D	D
<b>IROQUOIS</b>													
31-33	Manufacturing .....	-	28	9	814	22 011	561	1 183	14 208	70 369	217 671	301 378	D
<b>JACKSON</b>													
31-33	Manufacturing .....	2	35	7	839	26 089	690	1 288	19 587	75 255	82 530	156 389	2 979
<b>JEFFERSON</b>													
31-33	Manufacturing .....	-	42	9	h	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>JO DAVIESS</b>													
31-33	Manufacturing .....	-	43	12	1 504	48 402	1 174	2 302	32 684	156 389	213 341	369 564	6 707

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>KANE</b>													
31-33	Manufacturing .....	1	'908	'363	'37 647	'1 427 739	'27 021	'54 700	'850 990	'4 240 714	'3 269 566	'7 474 852	'240 052
311	Food manufacturing .....	-	37	16	2 713	90 490	1 995	4 163	56 292	582 965	570 950	1 153 359	22 221
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	1	1	f	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	5	5	836	29 846	675	1 499	20 193	164 982	286 735	452 565	8 730
31161	Animal slaughtering and processing .....	-	5	5	836	29 846	675	1 499	20 193	164 982	286 735	452 565	8 730
311612	Meat processed from carcasses .....	-	3	3	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	4	26	10	866	28 603	585	1 206	14 948	49 070	88 523	137 927	D
322	Paper manufacturing .....	-	23	15	1 653	66 314	1 247	2 651	43 964	173 064	178 823	348 765	6 512
3222	Converted paper product manufacturing .....	-	22	14	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	-	13	9	863	36 515	671	1 437	24 015	94 172	103 017	194 591	D
322211	Corrugated and solid fiber box manufacturing .....	-	12	9	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	91	26	2 061	76 878	1 507	2 895	45 527	178 747	95 362	275 074	12 897
3231	Printing and related support activities .....	-	91	26	2 061	76 878	1 507	2 895	45 527	178 747	95 362	275 074	12 897
32311	Printing .....	-	79	20	1 598	61 457	1 149	2 293	35 398	139 732	89 712	230 608	11 374
323110	Commercial lithographic printing .....	-	39	16	1 261	50 739	911	1 859	29 239	119 161	76 856	197 058	10 543
325	Chemical manufacturing .....	1	41	23	2 231	106 381	1 227	2 373	44 145	554 464	302 923	856 844	36 901
3255	Paint, coating, and adhesive manufacturing .....	-	9	7	627	23 253	300	643	8 634	121 795	86 367	211 367	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	9	6	784	35 711	483	897	21 260	286 740	102 781	386 898	D
32561	Soap and cleaning compound manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	89	54	6 303	205 594	5 141	10 848	140 256	661 562	481 697	1 138 541	41 281
3261	Plastics product manufacturing ..	1	84	50	i	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	14	8	661	24 719	522	1 146	17 803	91 251	115 805	205 563	9 086
32619	Other plastics product manufacturing .....	1	59	38	4 607	141 045	3 775	7 926	94 364	406 241	245 557	649 504	27 320
326199	All other plastics product manufacturing .....	1	56	36	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	'3	'31	'16	'1 077	'40 695	'788	'1 709	'27 389	'106 511	'75 760	'180 770	'5 760
3273	Cement and concrete product manufacturing .....	3	'16	'7	'541	'22 197	'433	'971	'17 088	'63 699	'48 396	'110 496	'3 782
331	Primary metal manufacturing .....	-	21	11	1 211	44 078	1 018	2 078	34 230	113 983	95 395	206 646	D
3315	Foundries .....	-	10	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ....	-	7	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	192	70	6 087	243 597	4 520	9 264	163 119	592 238	382 068	940 854	56 011
3321	Forging and stamping.....	-	21	9	979	36 770	722	1 464	22 943	78 658	51 950	126 081	3 444
33211	Forging and stamping.....	-	21	9	979	36 770	722	1 464	22 943	78 658	51 950	126 081	3 444
332114	Custom roll forming .....	-	3	2	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	2	21	11	793	29 793	587	1 224	20 875	83 102	35 358	120 008	3 947
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	85	23	2 326	95 784	1 721	3 748	64 497	176 591	119 646	294 470	21 651
33271	Machine shops .....	1	58	10	918	41 311	690	1 488	27 266	77 930	40 029	115 846	5 446
332710	Machine shops .....	1	58	10	918	41 311	690	1 488	27 266	77 930	40 029	115 846	5 446
33272	Turned product and screw, nut, and bolt manufacturing .....	2	27	13	1 408	54 473	1 031	2 260	37 231	98 661	79 617	178 624	16 205
332721	Precision turned product manufacturing .....	1	18	8	1 099	41 856	832	1 862	29 625	73 445	45 419	119 494	15 109

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>KANE—Con.</b>													
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing .....	—	27	12	1 166	50 634	881	1 659	35 810	125 409	118 696	245 632	24 380
33299	All other fabricated metal product manufacturing .....	—	15	4	758	33 787	625	1 177	26 244	87 408	85 269	172 671	D
332991	Ball and roller bearing manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	121	42	3 820	169 243	2 633	5 311	98 125	321 740	257 074	579 404	13 034
3335	Metalworking machinery manufacturing .....	1	50	14	957	44 028	705	1 413	29 568	77 294	32 538	112 100	D
33351	Metalworking machinery manufacturing .....	1	50	14	957	44 028	705	1 413	29 568	77 294	32 538	112 100	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	1	7	6	g	D	D	D	D	D	D	D	3 037
33361	Engine, turbine, and power transmission equipment manufacturing .....	1	7	6	g	D	D	D	D	D	D	D	3 037
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	31	11	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	3	49	22	3 007	108 981	2 009	3 674	52 995	240 306	147 554	390 553	9 551
3342	Communications equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	9	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	9	1	1	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	20	12	1 041	38 069	773	1 617	23 394	98 333	53 638	153 259	D
33441	Semiconductor and other electronic component manufacturing .....	1	20	12	1 041	38 069	773	1 617	23 394	98 333	53 638	153 259	D
334419	Other electronic component manufacturing .....	—	9	4	659	25 711	498	1 050	15 874	73 445	31 081	106 213	2 315
335	Electrical equipment, appliance, and component manufacturing .....	—	22	8	1 425	51 802	839	1 370	22 257	114 597	153 378	273 302	3 932
3359	Other electrical equipment and component manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	—	4	1	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	3	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	1	22	9	1 074	47 775	670	1 451	21 432	110 067	114 449	223 311	9 903
3363	Motor vehicle parts manufacturing .....	1	18	6	f	D	D	D	D	D	D	D	9 280
337	Furniture and related product manufacturing .....	—	46	11	1 807	70 634	1 311	2 825	49 451	256 105	181 248	440 819	D
3372	Office furniture (including fixtures) manufacturing .....	—	14	6	1 246	51 907	847	1 813	34 125	185 514	127 375	316 615	D
33721	Office furniture (including fixtures) manufacturing .....	—	14	6	1 246	51 907	847	1 813	34 125	185 514	127 375	316 615	D
337215	Showcase, partition, shelving, and locker manufacturing .....	—	8	4	1 153	48 248	791	1 698	31 989	177 261	122 138	303 200	D
339	Miscellaneous manufacturing .....	4	70	21	1 661	54 614	1 129	2 053	27 285	139 558	95 373	235 769	10 238
3399	Other miscellaneous manufacturing .....	4	49	17	g	D	D	D	D	D	D	D	9 670
33999	All other miscellaneous manufacturing .....	8	18	7	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>KANKAKEE</b>													
31-33	Manufacturing .....	-	116	45	6 308	271 656	4 181	8 937	158 108	967 841	1 373 500	2 281 138	D
311	Food manufacturing .....	-	13	6	955	28 133	666	1 491	19 656	80 180	208 644	289 743	7 974
325	Chemical manufacturing .....	-	10	7	1 765	98 801	862	1 797	44 926	430 562	610 262	981 097	D
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
325414	Biological product (except diagnostic) manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	9	6	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	9	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
331	Primary metal manufacturing .....	-	3	3	559	27 053	447	999	20 924	54 315	127 403	179 778	2 192
332	Fabricated metal product manufacturing .....	-	25	4	507	20 099	401	826	12 995	45 405	94 212	138 999	1 301
333	Machinery manufacturing .....	4	11	5	632	22 731	431	867	10 619	57 207	43 175	99 742	1 706
<b>KENDALL</b>													
31-33	Manufacturing .....	3	173	20	12 405	188 354	11 696	13 457	150 367	1300 841	1174 301	1475 712	118 002
311	Food manufacturing .....	1	7	5	f	D	D	D	D	D	D	D	8 783
326	Plastics and rubber products manufacturing .....	8	10	3	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	8	9	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	8	8	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	8	8	3	f	D	D	D	D	D	D	D	D
<b>KNOX</b>													
31-33	Manufacturing .....	-	44	19	4 150	139 949	3 346	6 080	99 865	338 378	545 094	885 072	14 964
332	Fabricated metal product manufacturing .....	-	9	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
<b>LAKE</b>													
31-33	Manufacturing .....	-	928	299	51 336	2 695 742	26 692	56 421	1 023 756	8 552 279	4 398 885	12 961 562	691 713
311	Food manufacturing .....	2	58	15	1 451	46 025	977	2 039	24 843	163 651	115 935	278 396	13 235
322	Paper manufacturing .....	-	16	13	1 233	51 917	967	1 866	34 833	121 319	147 875	268 844	D
3222	Converted paper product manufacturing .....	-	15	13	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	4	124	26	2 192	88 227	1 429	2 884	45 088	179 848	126 887	305 432	D
3231	Printing and related support activities .....	4	124	26	2 192	88 227	1 429	2 884	45 088	179 848	126 887	305 432	D
32311	Printing .....	4	115	26	2 155	86 662	1 400	2 829	44 056	177 238	126 126	302 060	D
323110	Commercial lithographic printing .....	6	57	15	1 333	57 279	848	1 728	28 595	109 255	74 503	182 877	6 036
325	Chemical manufacturing .....	-	40	18	20 594	1 471 475	6 336	14 974	415 386	5 128 372	1 670 405	6 775 753	D
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

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>LAKE—Con.</b>												
326	Plastics and rubber products manufacturing .....	—	58	27	3 848	138 828	2 811	6 163	82 357	400 317	284 940	695 287	30 650
3261	Plastics product manufacturing ..	—	51	24	3 598	130 327	2 627	5 770	77 712	375 424	267 228	651 840	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	—	10	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	36	15	2 693	100 525	1 945	4 405	55 683	277 367	171 895	455 939	26 405
326199	All other plastics product manufacturing .....	—	36	15	2 693	100 525	1 945	4 405	55 683	277 367	171 895	455 939	26 405
327	Nonmetallic mineral product manufacturing .....	—	26	10	1 043	38 443	775	1 562	21 833	101 296	70 890	172 246	D
3273	Cement and concrete product manufacturing .....	1	11	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	163	46	4 851	195 370	3 501	6 789	113 264	405 422	367 173	774 643	26 356
3321	Forging and stamping.....	3	14	8	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	3	14	8	f	D	D	D	D	D	D	D	D
332116	Metal stamping .....	2	10	7	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	—	68	13	1 121	41 423	813	1 535	25 268	90 728	64 191	156 630	8 460
33271	Machine shops .....	1	57	6	673	23 860	500	935	14 511	45 964	16 706	63 369	1 391
332710	Machine shops .....	1	57	6	673	23 860	500	935	14 511	45 964	16 706	63 369	1 391
3329	Other fabricated metal product manufacturing .....	2	20	6	648	30 920	402	842	16 440	32 177	79 084	111 675	D
333	Machinery manufacturing .....	4	127	36	3 893	160 810	2 545	5 524	79 240	432 017	480 691	912 357	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	2	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
3335	Metalworking machinery manufacturing .....	6	53	11	1 358	63 873	885	1 915	33 095	207 779	113 867	317 829	D
33351	Metalworking machinery manufacturing .....	6	53	11	1 358	63 873	885	1 915	33 095	207 779	113 867	317 829	D
333518	Other metalworking machinery manufacturing ..	8	7	5	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	6	30	11	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing ....	6	22	9	912	40 621	539	1 119	19 052	107 504	126 002	232 776	D
334	Computer and electronic product manufacturing .....	—	58	29	3 799	181 756	1 802	3 662	59 797	535 954	356 356	905 328	18 343
3341	Computer and peripheral equipment manufacturing .....	—	5	2	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	—	5	2	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	4	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing .....	1	17	7	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing .....	1	17	7	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	26	14	1 865	89 447	907	1 811	33 979	319 700	194 496	516 459	6 518
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	26	14	1 865	89 447	907	1 811	33 979	319 700	194 496	516 459	6 518
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	—	5	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	1	36	19	2 324	86 047	1 449	2 749	37 486	354 785	255 875	620 748	12 601
3359	Other electrical equipment and component manufacturing.....	3	20	10	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing...	1	9	5	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	1	5	3	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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<b>LAKE—Con.</b>													
336	Transportation equipment manufacturing .....	—	20	7	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	13	6	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	54	12	903	28 511	647	1 310	16 350	60 756	46 387	107 585	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	3	41	9	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	2	82	27	3 001	131 261	1 771	3 589	45 526	459 833	228 604	687 902	D
3391	Medical equipment and supplies manufacturing .....	5	31	9	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	5	31	9	g	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing .....	8	5	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	—	51	18	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	—	22	7	g	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	—	17	5	g	D	D	D	D	D	D	D	D
<b>LASALLE</b>													
31-33	Manufacturing .....	—	150	63	5 955	233 889	4 516	9 310	158 184	837 138	853 084	1 686 454	90 118
311	Food manufacturing .....	—	9	6	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	11	7	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	—	22	13	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	29	9	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	15	6	619	21 949	402	715	12 720	56 697	35 730	92 776	D
<b>LAWRENCE</b>													
31-33	Manufacturing .....	—	15	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	2	2	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
33636	Motor vehicle seating and interior trim manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>LEE</b>													
31-33	Manufacturing .....	—	37	24	4 056	128 857	3 058	6 131	85 017	425 582	393 118	812 925	23 022
311	Food manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	—	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	D
31199	All other food manufacturing .....	—	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	D
311999	All other miscellaneous food manufacturing .....	—	3	3	684	19 528	558	1 137	14 133	65 766	53 939	119 747	D
332	Fabricated metal product manufacturing .....	—	7	5	1 401	46 190	936	1 982	26 996	114 641	126 252	240 547	5 130
3323	Architectural and structural metals manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	8	6	978	28 698	767	1 458	17 997	110 935	92 676	202 096	6 663
3339	Other general purpose machinery manufacturing .....	—	2	2	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>LIVINGSTON</b>													
31-33	Manufacturing .....	-	55	19	4 531	192 053	3 113	6 597	122 157	613 722	479 248	1 089 858	54 761
323	Printing and related support activities .....	-	6	4	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	6	4	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	5	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	5	3	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	10	3	571	13 848	347	788	7 735	30 321	28 780	59 129	752
333	Machinery manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery 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
<b>LOGAN</b>													
31-33	Manufacturing .....	-	24	6	1 427	47 438	1 211	2 424	37 021	198 922	221 872	420 301	8 947
335	Electrical equipment, appliance, and component manufacturing .....	-	2	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>MCDONOUGH</b>													
31-33	Manufacturing .....	2	30	12	1 510	48 331	1 229	2 355	36 434	102 313	76 407	176 550	5 426
332	Fabricated metal product manufacturing .....	-	4	3	777	25 894	653	1 222	20 499	52 277	34 124	85 523	3 485
<b>MCHENRY</b>													
31-33	Manufacturing .....	1	592	178	21 107	814 135	14 429	28 895	451 565	2 092 055	1 871 971	3 941 926	131 922
311	Food manufacturing .....	-	20	5	1 072	33 114	928	1 929	28 274	135 625	259 231	395 202	D
323	Printing and related support activities .....	-	53	12	1 853	67 115	1 363	2 607	45 269	159 559	97 894	257 616	30 862
3231	Printing and related support activities .....	-	53	12	1 853	67 115	1 363	2 607	45 269	159 559	97 894	257 616	30 862
32311	Printing .....	-	49	12	1 847	66 870	1 358	2 600	45 115	159 084	97 788	257 029	D
323110	Commercial lithographic printing .....	-	18	3	774	30 037	657	1 291	24 889	68 218	28 056	96 259	D
325	Chemical manufacturing .....	-	26	12	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing .....	-	7	6	580	22 947	347	720	11 055	112 083	131 511	248 389	D
326	Plastics and rubber products manufacturing .....	1	50	31	3 102	117 741	2 396	4 980	76 237	293 157	242 352	530 477	25 958
3261	Plastics product manufacturing ..	1	48	30	h	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	31	20	2 339	88 554	1 790	3 601	56 671	228 508	172 208	397 246	19 983
326199	All other plastics product manufacturing .....	-	31	20	2 339	88 554	1 790	3 601	56 671	228 508	172 208	397 246	19 983
327	Nonmetallic mineral product manufacturing .....	1	21	9	537	22 289	405	861	13 888	55 818	43 803	99 462	D
331	Primary metal manufacturing .....	-	13	5	711	31 702	494	955	17 050	54 591	79 217	131 184	D
3315	Foundries .....	-	9	3	539	24 066	358	705	10 547	36 781	47 672	81 772	D

See footnotes at end of table.

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

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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>MCHENRY—Con.</b>													
332	Fabricated metal product manufacturing .....	2	135	27	2 809	122 192	1 883	3 565	68 168	261 074	170 287	429 047	11 309
3321	Forging and stamping.....	5	14	6	705	38 994	406	884	17 091	74 751	51 534	124 681	3 142
33211	Forging and stamping.....	5	14	6	705	38 994	406	884	17 091	74 751	51 534	124 681	3 142
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	2	72	7	604	22 911	453	882	14 740	43 121	19 921	63 148	2 501
3329	Other fabricated metal product manufacturing .....	1	19	6	868	36 924	587	1 193	22 695	72 796	60 306	133 563	D
33299	All other fabricated metal product manufacturing .....	—	15	3	714	30 480	508	1 032	19 753	60 090	46 396	106 269	D
332999	All other miscellaneous fabricated metal product manufacturing .....	—	15	3	714	30 480	508	1 032	19 753	60 090	46 396	106 269	D
333	Machinery manufacturing .....	1	'103	'28	'3 880	'156 795	'2 563	'5 063	'84 832	'359 166	'328 326	'667 543	'20 441
3332	Industrial machinery manufacturing .....	1	15	5	1 101	45 370	657	1 330	21 169	118 643	85 637	205 757	3 184
33322	Plastics and rubber industry machinery manufacturing ....	—	5	1	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	5	1	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing .....	3	10	4	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	1	56	6	1 117	45 270	857	1 649	32 164	107 478	42 469	129 855	10 489
33351	Metalworking machinery manufacturing .....	1	56	6	1 117	45 270	857	1 649	32 164	107 478	42 469	129 855	10 489
333515	Cutting tool and machine tool accessory manufacturing...	1	9	2	635	24 650	504	998	17 892	63 418	27 257	70 870	D
3339	Other general purpose machinery manufacturing .....	—	'13	'6	'820	'34 480	'467	'830	'14 330	'81 524	'161 232	'241 402	'3 205
334	Computer and electronic product manufacturing .....	—	30	11	1 016	31 624	686	1 286	16 590	55 616	46 281	103 708	D
3344	Semiconductor and other electronic component manufacturing .....	—	16	9	636	19 679	463	881	9 939	42 546	22 097	65 072	D
33441	Semiconductor and other electronic component manufacturing .....	—	16	9	636	19 679	463	881	9 939	42 546	22 097	65 072	D
335	Electrical equipment, appliance, and component manufacturing .....	2	23	14	2 224	85 081	1 172	2 509	28 605	284 980	207 533	494 637	2 874
3351	Electric lighting equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	6	12	6	593	19 563	358	755	8 347	40 439	28 271	69 509	1 004
33531	Electrical equipment manufacturing .....	6	12	6	593	19 563	358	755	8 347	40 439	28 271	69 509	1 004
336	Transportation equipment manufacturing .....	—	8	3	611	22 007	533	1 116	18 152	82 012	68 498	150 542	D
3363	Motor vehicle parts manufacturing .....	—	8	3	611	22 007	533	1 116	18 152	82 012	68 498	150 542	D
337	Furniture and related product manufacturing .....	1	31	4	f	D	D	D	D	D	D	D	D
<b>MCLEAN</b>													
31-33	Manufacturing .....	—	113	36	6 574	321 553	5 284	10 159	246 537	1 039 530	2 964 504	4 005 339	D
311	Food manufacturing .....	1	13	7	741	26 239	584	1 347	20 397	73 557	159 311	232 426	D
323	Printing and related support activities .....	2	21	6	759	29 791	481	917	15 298	61 594	37 748	98 816	D
3231	Printing and related support activities .....	2	21	6	759	29 791	481	917	15 298	61 594	37 748	98 816	D
32311	Printing .....	2	20	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	7	4	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile manufacturing...	—	1	1	h	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>MACON</b>													
31-33	Manufacturing .....	-	126	39	8 826	409 924	6 287	12 983	272 293	1 760 168	2 731 498	4 551 972	144 881
311	Food manufacturing .....	-	15	8	g	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling .....	-	6	5	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	-	6	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing .....	-	3	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	10	5	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	9	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	g	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
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
332	Fabricated metal product manufacturing .....	-	29	6	937	36 894	727	1 450	26 321	66 111	97 093	164 005	3 338
3329	Other fabricated metal product manufacturing .....	-	4	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
332911	Industrial valve manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	14	5	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>MACOUPIN</b>													
31-33	Manufacturing .....	1	44	9	833	25 269	612	1 387	17 995	67 240	85 859	153 226	5 760
<b>MADISON</b>													
31-33	Manufacturing .....	-	212	74	15 142	686 696	11 421	23 161	483 311	2 215 881	5 273 786	7 519 120	145 606
312	Beverage and tobacco product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	2	2	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	5	2	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	5	2	2	f	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing .....	5	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	3	19	11	523	19 764	395	832	13 501	40 664	38 594	78 462	6 444

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**Table 3. Industry Statistics for Counties: 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>MADISON—Con.</b>													
331	Primary metal manufacturing .....	-	12	7	i	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	-	3	3	h	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	-	3	1	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	-	1	1	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	-	1	1	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	2	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
331513	Steel foundries (except investment) .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	43	18	2 875	128 936	2 137	4 530	87 642	335 672	202 512	525 304	D
3323	Architectural and structural metals manufacturing .....	-	7	3	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	9	6	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	9	6	g	D	D	D	D	D	D	D	D
332992	Small arms ammunition manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	10	4	570	26 339	358	654	15 696	153 622	53 685	212 084	6 752
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
336	Transportation equipment manufacturing .....	4	7	3	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
33639	Other motor vehicle parts manufacturing .....	-	1	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
<b>MARION</b>													
31-33	Manufacturing .....	-	57	22	3 914	119 427	3 254	6 788	82 983	443 355	282 092	736 855	15 115
326	Plastics and rubber products manufacturing .....	-	6	4	988	28 621	824	1 683	18 128	87 643	49 706	136 928	2 773
3261	Plastics product manufacturing ..	-	6	4	988	28 621	824	1 683	18 128	87 643	49 706	136 928	2 773
32619	Other plastics product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MARSHALL</b>													
31-33	Manufacturing .....	2	18	7	854	31 434	722	1 389	23 647	106 808	89 279	196 396	5 237
<b>MASSAC</b>													
31-33	Manufacturing .....	4	9	4	603	29 896	444	978	19 621	104 930	83 836	185 595	14 280

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>MONTGOMERY</b>													
31-33	Manufacturing .....	-	37	13	1 491	46 910	1 175	2 328	32 727	122 283	174 166	297 946	3 646
336	Transportation equipment manufacturing .....	-	2	1	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
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
<b>MORGAN</b>													
31-33	Manufacturing .....	-	27	16	h	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
3231	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
32312	Support activities for printing...	6	2	2	f	D	D	D	D	D	D	D	D
323121	Tradebinding and related work.....	6	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	2	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
334	Computer and electronic product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media.....	-	1	1	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	-	1	1	f	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MOULTRIE</b>													
31-33	Manufacturing .....	-	21	5	1 896	59 231	1 574	3 428	43 853	167 236	224 426	382 675	8 911
333	Machinery manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	-	2	2	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
<b>OGLE</b>													
31-33	Manufacturing .....	-	71	23	4 957	165 005	3 994	8 422	115 432	399 771	539 681	944 564	41 943
311	Food manufacturing .....	-	5	4	1 139	34 449	965	2 248	27 267	81 925	291 214	374 746	3 106
3116	Animal slaughtering and processing .....	-	2	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	2	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	2	2	g	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	7	3	811	29 464	697	1 552	23 950	78 822	41 130	119 339	D
3231	Printing and related support activities .....	-	7	3	811	29 464	697	1 552	23 950	78 822	41 130	119 339	D
32311	Printing .....	-	6	3	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing ..	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	15	8	1 555	57 734	1 091	2 108	31 884	158 489	119 553	284 697	7 089
3331	Agriculture, construction, and mining machinery manufacturing .....	1	3	3	920	36 489	617	1 176	19 521	85 153	71 685	163 502	3 977

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>PEORIA</b>													
31-33	Manufacturing .....	1	170	75	11 783	469 845	7 211	14 503	245 754	1 549 477	2 191 939	3 792 755	110 069
311	Food manufacturing .....	1	13	10	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	33	13	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	3	33	13	g	D	D	D	D	D	D	D	D
32311	Printing .....	3	30	13	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	2	17	10	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	3	11	5	691	35 762	475	1 287	22 502	302 177	400 512	704 268	27 561
331	Primary metal manufacturing .....	-	7	5	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	-	1	1	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	5	4	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 .....	2	38	17	1 673	58 283	1 152	2 031	33 174	174 138	124 794	303 923	D
3323	Architectural and structural metals manufacturing .....	5	10	7	685	24 062	505	941	17 037	73 404	46 488	120 573	D
3329	Other fabricated metal product manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	5	4	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	1	2	2	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	1	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	1	2	2	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
<b>PERRY</b>													
31-33	Manufacturing .....	-	27	10	1 899	57 987	1 465	2 770	35 289	132 812	139 973	284 112	D
334	Computer and electronic product manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media .....	-	2	2	g	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media .....	-	2	2	g	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>RANDOLPH</b>													
31-33	Manufacturing .....	-	31	19	2 720	76 464	2 439	5 154	63 173	203 894	270 845	472 823	D
311	Food manufacturing .....	-	7	6	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	-	2	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
311822	Flour mixes and dough manufacturing from purchased flour .....	-	2	2	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>RANDOLPH—Con.</b>													
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
33152	Nonferrous metal foundries .....	—	3	1	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>RICHLAND</b>													
31-33	Manufacturing .....	—	39	7	611	16 542	461	849	10 672	89 912	260 048	336 204	2 534
<b>ROCK ISLAND</b>													
31-33	Manufacturing .....	—	169	59	8 098	343 057	5 951	10 998	221 897	1 325 275	1 131 374	2 474 826	48 010
325	Chemical manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	50	18	'1 135	'37 678	'867	'1 753	'26 148	'87 562	'74 356	'159 434	'6 214
333	Machinery manufacturing .....	—	25	14	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	6	5	h	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	—	6	5	h	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	—	6	5	h	D	D	D	D	D	D	D	D
<b>ST. CLAIR</b>													
31-33	Manufacturing .....	—	204	65	7 117	273 227	5 155	10 408	173 721	795 578	1 018 225	1 827 612	60 335
311	Food manufacturing .....	—	20	11	971	31 977	785	1 512	23 708	208 525	268 860	478 166	8 642
325	Chemical manufacturing .....	—	14	9	1 013	58 031	675	1 471	34 739	212 616	229 187	445 114	8 653
3251	Basic chemical manufacturing ...	—	7	6	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	—	3	3	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	11	7	564	19 142	338	720	9 956	39 940	41 902	81 619	3 056
331	Primary metal manufacturing .....	—	8	8	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	—	2	2	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	—	1	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	14	8	765	29 540	408	674	13 810	69 843	47 697	123 416	3 801
335	Electrical equipment, appliance, and component manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	D
<b>SANGAMON</b>													
31-33	Manufacturing .....	3	130	39	h	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	10	3	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
<b>SHELBY</b>													
31-33	Manufacturing .....	—	15	5	1 327	36 948	1 174	2 472	28 262	128 565	140 507	251 136	5 935
322	Paper manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container 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.**

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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>STEPHENSON</b>													
31-33	Manufacturing .....	1	65	28	4 858	215 313	3 330	7 719	126 786	515 051	520 590	1 047 178	15 692
311	Food manufacturing .....	2	9	6	594	16 276	463	961	9 951	44 421	105 363	151 635	D
326	Plastics and rubber products manufacturing .....	-	5	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	2	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	2	1	f	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
3359	Other electrical equipment and component manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
<b>TAZEWELL</b>													
31-33	Manufacturing .....	-	124	45	5 964	294 346	4 046	8 604	174 342	856 974	1 183 560	2 053 211	83 739
325	Chemical manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	6	4	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	32	13	g	D	D	D	D	D	D	D	9 117
3323	Architectural and structural metals manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	4 070
33232	Ornamental and architectural metal products manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
<b>VERMILION</b>													
31-33	Manufacturing .....	2	108	39	5 899	228 975	4 376	8 814	144 475	587 220	1 159 676	1 748 955	38 464
311	Food manufacturing .....	2	12	7	1 475	68 002	1 076	2 207	44 089	207 974	616 138	819 580	12 374
3112	Grain and oilseed milling .....	3	4	4	582	24 965	399	869	15 292	98 473	433 568	532 961	6 799
31122	Starch and vegetable fats and oils manufacturing .....	3	4	4	582	24 965	399	869	15 292	98 473	433 568	532 961	6 799
3118	Bakeries and tortilla manufacturing .....	-	2	1	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
311822	Flour mixes and dough manufacturing from purchased flour .....	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	6	3	695	25 710	521	1 064	16 344	83 847	35 687	119 642	4 058
3261	Plastics product manufacturing ..	-	5	2	f	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	28	8	1 054	42 124	805	1 520	25 242	101 076	216 052	321 275	8 070
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 .....	-	14	6	668	25 138	497	1 026	17 505	27 824	81 071	110 173	3 680

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>VERMILION—Con.</b>													
336	Transportation equipment manufacturing .....	6	5	4	1 184	43 094	888	1 774	27 912	98 237	79 445	177 787	2 886
3365	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>WABASH</b>													
31-33	Manufacturing .....	1	16	4	1 189	28 524	558	1 012	19 935	47 393	18 172	67 433	2 837
<b>WARREN</b>													
31-33	Manufacturing .....	-	26	6	1 521	43 623	1 351	2 947	33 795	47 303	314 423	362 324	2 695
311	Food manufacturing .....	-	1	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
311611	Animal (except poultry) slaughtering .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>WASHINGTON</b>													
31-33	Manufacturing .....	-	16	4	1 840	54 985	1 269	1 700	31 540	223 633	166 657	389 979	9 861
326	Plastics and rubber products manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>WAYNE</b>													
31-33	Manufacturing .....	-	16	3	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	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>WHITESIDE</b>													
31-33	Manufacturing .....	1	100	38	4 550	163 207	3 437	6 934	108 249	415 400	351 411	770 112	28 083
332	Fabricated metal product manufacturing .....	-	34	17	1 989	67 932	1 510	3 037	46 407	175 274	133 424	310 631	12 701
3325	Hardware manufacturing .....	-	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
33251	Hardware manufacturing .....	-	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
332510	Hardware manufacturing .....	-	5	4	1 054	38 458	783	1 642	26 961	103 605	68 190	173 968	D
333	Machinery manufacturing .....	-	12	4	537	19 323	426	870	13 853	40 788	34 349	76 008	1 957
335	Electrical equipment, appliance, and component manufacturing .....	1	7	5	1 193	47 178	951	1 974	32 144	126 462	83 736	209 029	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

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>WILL</b>													
31-33	Manufacturing .....	1	593	201	25 992	1 141 977	15 599	32 535	562 024	3 774 946	5 151 571	8 956 648	308 712
311	Food manufacturing .....	3	30	7	1 385	45 233	1 123	2 470	30 264	136 322	295 517	426 916	9 299
3116	Animal slaughtering and processing .....	—	4	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	4	3	f	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	—	2	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	28	12	577	17 090	457	924	11 128	44 044	37 937	81 371	D
3219	Other wood product manufacturing .....	3	26	11	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	1	19	12	1 035	42 935	824	1 675	28 036	90 982	109 122	202 890	D
3222	Converted paper product manufacturing .....	1	17	10	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	1	8	7	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	'55	12	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	2	'55	12	g	D	D	D	D	D	D	D	D
32311	Printing .....	2	'53	12	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	'4	'25	5	f	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing .....	—	6	2	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	6	2	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	37	19	2 698	127 319	1 321	2 794	74 060	564 720	965 811	1 530 517	24 162
3251	Basic chemical manufacturing ...	—	11	7	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	9	5	1 564	60 428	659	1 365	36 526	278 596	457 870	736 429	D
32561	Soap and cleaning compound manufacturing .....	—	8	5	g	D	D	D	D	D	D	D	D
325613	Surface active agent manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	37	27	2 668	93 666	1 926	3 975	52 947	402 735	250 642	654 543	12 923
3261	Plastics product manufacturing ..	1	34	24	2 521	88 357	1 840	3 811	50 656	391 964	237 372	630 625	D
32619	Other plastics product manufacturing .....	—	24	17	1 754	60 846	1 227	2 569	32 197	200 994	145 129	345 783	D
326199	All other plastics product manufacturing .....	—	23	16	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	2	40	18	938	34 985	763	1 618	25 212	117 271	72 451	190 580	10 152
3273	Cement and concrete product manufacturing .....	1	23	13	662	23 886	540	1 132	17 814	84 278	50 058	133 863	D
332	Fabricated metal product manufacturing .....	2	'110	28	'2 140	'82 367	'1 533	'3 098	'49 892	'184 810	'153 239	'338 015	'9 740
3323	Architectural and structural metals manufacturing .....	1	25	6	538	20 227	370	723	11 589	51 749	65 344	118 120	3 684
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	'49	10	'658	'27 802	'478	'1 036	'18 118	'56 164	'33 419	'89 231	'3 986
33271	Machine shops .....	2	'44	7	'556	'23 702	'400	'878	'15 695	'48 298	'19 100	'67 124	'2 085
332710	Machine shops .....	2	'44	7	'556	'23 702	'400	'878	'15 695	'48 298	'19 100	'67 124	'2 085
333	Machinery manufacturing .....	—	70	18	3 806	161 943	2 509	5 300	91 031	350 105	322 752	683 444	50 842
3339	Other general purpose machinery manufacturing .....	—	28	11	3 086	123 456	2 049	4 344	70 144	249 739	244 347	508 966	D
33399	All other general purpose machinery manufacturing ....	—	18	7	2 612	101 665	1 813	3 896	60 568	216 856	197 433	430 437	D
333995	Fluid power cylinder and actuator manufacturing ....	—	3	3	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>WILL—Con.</b>													
334	Computer and electronic product manufacturing .....	-	21	8	5 296	300 479	1 342	2 668	47 182	444 428	459 078	945 102	D
3342	Communications equipment manufacturing .....	-	7	4	i	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	-	2	2	h	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	-	2	2	h	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	-	2	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	16	9	1 128	55 458	895	2 043	41 332	128 433	72 302	199 049	5 213
3363	Motor vehicle parts manufacturing .....	-	8	5	900	46 925	718	1 687	35 345	114 328	63 266	176 529	D
33635	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	1	33	9	864	32 880	673	1 451	22 501	65 522	38 516	103 678	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	1	28	9	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing ....	1	19	7	666	27 231	505	1 114	18 236	45 933	18 368	64 326	D
337110	Wood kitchen cabinet and countertop manufacturing ..	1	19	7	666	27 231	505	1 114	18 236	45 933	18 368	64 326	D
<b>WILLIAMSON</b>													
31-33	Manufacturing .....	-	50	13	2 713	92 159	1 945	3 621	58 993	206 176	346 067	549 485	35 291
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
335224	Household laundry equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
<b>WINNEBAGO</b>													
31-33	Manufacturing .....	1	720	247	31 172	1 323 593	20 388	41 054	739 637	3 864 987	2 568 119	6 420 056	D
311	Food manufacturing .....	-	24	6	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	20	9	1 434	63 199	920	1 890	30 435	219 105	251 139	478 629	12 314
3254	Pharmaceutical and medicine manufacturing .....	2	6	3	522	28 699	260	566	9 726	135 584	74 988	214 321	D
32541	Pharmaceutical and medicine manufacturing .....	2	6	3	522	28 699	260	566	9 726	135 584	74 988	214 321	D
326	Plastics and rubber products manufacturing .....	5	20	10	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	5	19	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	2	16	8	521	24 664	349	787	14 277	69 799	34 336	103 285	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>WINNEBAGO—Con.</b>													
332	Fabricated metal product manufacturing .....	1	281	85	9 123	358 712	7 195	14 420	248 586	826 442	473 853	1 295 095	46 100
3322	Cutlery and handtool manufacturing .....	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
33221	Cutlery and handtool manufacturing .....	—	9	4	745	25 441	566	1 178	16 004	62 892	27 730	89 251	2 027
332212	Hand and edge tool manufacturing .....	—	8	3	f	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	—	5	3	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	168	46	h	D	D	D	D	D	D	D	27 584
33271	Machine shops .....	1	118	17	g	D	D	D	D	D	D	D	4 517
332710	Machine shops .....	1	118	17	g	D	D	D	D	D	D	D	4 517
33272	Turned product and screw, nut, and bolt manufacturing .....	1	50	29	h	D	D	D	D	D	D	D	23 067
332721	Precision turned product manufacturing .....	—	27	16	f	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	1	23	13	h	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities .....	—	35	8	f	D	D	D	D	D	D	D	1 324
33281	Coating, engraving, heat treating, and allied activities ..	—	35	8	f	D	D	D	D	D	D	D	1 324
333	Machinery manufacturing .....	1	166	67	i	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing .....	—	18	9	1 138	53 623	690	1 264	27 938	131 107	100 771	236 072	D
33329	Other industrial machinery manufacturing .....	—	16	7	g	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	5	13	5	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	5	13	5	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing .....	2	85	24	h	D	D	D	D	D	D	D	11 876
33351	Metalworking machinery manufacturing .....	2	85	24	h	D	D	D	D	D	D	D	11 876
333514	Special die and tool, die set, jig, and fixture manufacturing .....	—	26	5	f	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	4	30	7	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	11	10	1 331	56 957	910	1 702	34 267	131 019	87 804	219 702	6 214
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	11	10	1 331	56 957	910	1 702	34 267	131 019	87 804	219 702	6 214
333613	Mechanical power transmission equipment manufacturing .....	—	5	5	1 012	44 603	703	1 358	28 130	103 013	71 918	175 659	D
3339	Other general purpose machinery manufacturing .....	—	34	15	2 063	91 887	1 262	2 523	50 331	218 476	179 176	375 056	6 430
33399	All other general purpose machinery manufacturing ....	—	27	12	1 858	81 002	1 178	2 355	47 544	206 804	170 656	354 494	6 103
333996	Fluid power pump and motor manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	8	4	576	21 753	272	524	9 567	63 717	58 859	120 944	6 609
3353	Electrical equipment manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	—	7	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	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>WINNEBAGO—Con.</b>													
336	Transportation equipment manufacturing .....	—	25	14	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	15	7	888	42 990	622	1 323	26 307	94 174	110 770	203 439	3 580
3364	Aerospace product and parts manufacturing .....	—	5	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	5	4	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing .....	—	4	3	h	D	D	D	D	D	D	D	D
<b>WOODFORD</b>													
31-33	Manufacturing .....	—	47	17	2 009	71 854	1 491	3 005	49 497	386 249	291 133	701 455	6 864
332	Fabricated metal product manufacturing .....	—	9	7	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	8	4	f	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>ADDISON</b>													
31-33	Manufacturing .....	2	363	114	8 130	305 038	5 948	11 489	180 194	641 450	480 662	1 121 628	35 207
323	Printing and related support activities .....	1	41	10	692	30 818	500	1 071	18 930	52 578	39 468	91 662	1 852
3231	Printing and related support activities .....	1	41	10	692	30 818	500	1 071	18 930	52 578	39 468	91 662	1 852
32311	Printing .....	-	37	9	644	28 566	469	1 015	17 662	48 228	38 491	86 337	1 757
326	Plastics and rubber products manufacturing .....	3	35	18	1 588	49 491	1 303	2 201	33 103	107 465	101 453	210 961	7 940
3261	Plastics product manufacturing ..	3	34	18	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	4	23	12	874	25 465	724	1 367	17 810	70 012	43 937	115 429	3 605
326199	All other plastics product manufacturing .....	4	23	12	874	25 465	724	1 367	17 810	70 012	43 937	115 429	3 605
332	Fabricated metal product manufacturing .....	3	123	34	2 066	72 969	1 576	2 954	45 739	147 633	75 744	224 599	5 139
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	55	11	670	22 719	541	1 028	16 092	44 700	16 960	62 214	1 806
333	Machinery manufacturing .....	1	59	12	1 166	55 109	773	1 627	31 227	107 219	74 312	180 995	8 126
334	Computer and electronic product manufacturing .....	2	23	8	585	20 181	396	735	9 769	41 003	24 930	66 631	996
<b>ALGONQUIN</b>													
31-33	Manufacturing .....	1	35	7	782	26 740	565	1 089	17 281	57 541	39 039	99 806	2 287
<b>ALSIP</b>													
31-33	Manufacturing .....	1	90	44	4 480	185 629	2 896	5 961	103 882	437 226	634 557	1 067 820	73 705
311	Food manufacturing .....	3	5	4	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	4	4	3	g	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	-	3	2	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	6	5	804	31 454	667	1 350	22 165	61 071	52 510	113 058	6 553
3261	Plastics product manufacturing ..	-	'6	'5	'804	'31 454	'667	'1 350	'22 165	'61 071	'52 510	'113 058	'6 553
32619	Other plastics product manufacturing .....	-	'4	'3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	'3	'2	'673	'27 251	'551	'1 114	'18 640	'51 770	'41 622	'92 840	D
332	Fabricated metal product manufacturing .....	1	20	10	525	22 914	401	878	16 259	50 622	29 519	79 902	920
<b>ALTON</b>													
31-33	Manufacturing .....	3	23	9	675	24 073	511	1 076	16 836	48 598	101 030	150 044	3 530
<b>ANTIOCH</b>													
31-33	Manufacturing .....	1	34	11	719	23 589	528	996	12 701	45 989	42 107	86 477	D
<b>ARCOLA</b>													
31-33	Manufacturing .....	-	11	5	805	22 628	675	1 273	14 885	116 120	54 084	166 807	D
<b>ARLINGTON HEIGHTS</b>													
31-33	Manufacturing .....	-	111	27	2 875	135 832	1 610	3 174	57 199	578 940	917 126	1 655 823	20 221
334	Computer and electronic product manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	-	2	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>AURORA</b>													
31-33	Manufacturing .....	-	171	72	9 484	413 808	5 919	12 370	200 594	1 474 594	1 662 492	3 173 019	78 486
322	Paper manufacturing .....	-	9	6	529	19 900	412	898	14 015	48 096	72 175	119 923	D
326	Plastics and rubber products manufacturing .....	-	18	5	560	16 546	435	954	10 516	56 166	54 428	107 402	7 502
3261	Plastics product manufacturing ..	-	17	4	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	6	4	711	41 640	407	901	16 755	112 816	70 490	186 837	7 344
332	Fabricated metal product manufacturing .....	1	30	14	1 382	51 774	1 028	2 135	34 748	181 742	110 312	257 317	5 651
3321	Forging and stamping.....	-	7	4	662	24 177	502	1 102	16 463	52 206	35 618	83 186	D
33211	Forging and stamping.....	-	7	4	662	24 177	502	1 102	16 463	52 206	35 618	83 186	D
332114	Custom roll forming .....	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	21	11	2 784	160 358	1 399	3 180	62 976	672 398	880 964	1 578 890	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	5	5	g	D	D	D	D	D	D	D	4 716
3342	Communications equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BARRINGTON</b>													
31-33	Manufacturing .....	1	26	4	740	30 237	539	1 113	15 471	52 480	63 164	115 012	6 837
<b>BARTLETT</b>													
31-33	Manufacturing .....	-	25	5	968	40 172	679	1 306	20 238	98 629	89 060	186 218	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping.....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BARTONVILLE</b>													
31-33	Manufacturing .....	-	15	7	1 497	70 989	1 207	2 264	54 046	135 421	189 913	316 623	D
331	Primary metal manufacturing .....	-	3	1	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BATAVIA</b>													
31-33	Manufacturing .....	-	88	31	3 215	124 148	2 526	5 287	82 932	503 261	303 547	805 888	30 688
326	Plastics and rubber products manufacturing .....	-	9	7	1 314	46 046	1 116	2 404	33 330	203 418	121 473	322 958	21 377
3261	Plastics product manufacturing ..	-	9	7	1 314	46 046	1 116	2 404	33 330	203 418	121 473	322 958	21 377
32619	Other plastics product manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	4	4	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>BEDFORD PARK</b>													
31-33	Manufacturing .....	1	103	67	7 321	283 427	5 074	10 051	160 926	1 138 487	1 208 982	2 354 731	51 509
311	Food manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	9 543
322	Paper manufacturing .....	-	10	8	935	41 504	659	1 213	24 647	178 163	224 315	409 087	14 777
3222	Converted paper product manufacturing .....	-	10	8	935	41 504	659	1 213	24 647	178 163	224 315	409 087	14 777
32221	Paperboard container manufacturing .....	-	9	7	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 .....	2	4	3	678	19 162	469	844	11 775	50 525	22 332	72 860	1 006
3231	Printing and related support activities .....	2	4	3	678	19 162	469	844	11 775	50 525	22 332	72 860	1 006
325	Chemical manufacturing .....	-	9	8	840	35 230	450	923	15 325	324 668	236 178	555 603	7 216
332	Fabricated metal product manufacturing .....	3	26	15	1 429	48 900	1 099	2 214	30 975	151 568	132 211	283 231	3 985
<b>BELLEVILLE</b>													
31-33	Manufacturing .....	-	59	17	2 383	73 561	1 640	3 410	44 978	178 951	163 475	347 799	10 045
333	Machinery manufacturing .....	-	8	5	560	20 477	285	494	9 820	52 538	39 754	98 032	3 418
<b>BELLWOOD</b>													
31-33	Manufacturing .....	4	47	29	3 949	156 701	2 735	5 427	86 208	535 104	320 034	849 640	21 829
323	Printing and related support activities .....	-	6	3	578	23 029	395	841	11 468	30 688	16 098	47 015	D
3231	Printing and related support activities .....	-	6	3	578	23 029	395	841	11 468	30 688	16 098	47 015	D
32311	Printing .....	-	6	3	578	23 029	395	841	11 468	30 688	16 098	47 015	D
336	Transportation equipment manufacturing .....	-	2	2	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
33635	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	9	2	2	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>BELVIDERE</b>													
31-33	Manufacturing .....	-	26	11	3 419	198 445	2 960	6 112	169 962	563 537	1 667 748	2 223 677	D
311	Food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing .....	-	1	1	g	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>BENSENVILLE</b>													
31-33	Manufacturing .....	2	237	84	5 829	216 899	4 344	8 614	131 664	468 235	379 580	850 146	25 242
323	Printing and related support activities .....	3	25	12	525	20 397	366	698	11 933	43 473	24 624	67 933	3 708
3231	Printing and related support activities .....	3	25	12	525	20 397	366	698	11 933	43 473	24 624	67 933	3 708
326	Plastics and rubber products manufacturing .....	2	17	10	962	27 869	718	1 461	15 873	62 590	87 592	152 174	2 773
3261	Plastics product manufacturing ..	2	17	10	962	27 869	718	1 461	15 873	62 590	87 592	152 174	2 773
32619	Other plastics product manufacturing .....	2	17	10	962	27 869	718	1 461	15 873	62 590	87 592	152 174	2 773
326199	All other plastics product manufacturing .....	2	16	9	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	94	27	1 564	60 577	1 196	2 379	38 005	139 699	79 362	219 295	9 603
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	51	10	720	26 869	525	1 072	17 604	53 903	25 873	79 707	2 394
333	Machinery manufacturing .....	4	38	9	773	34 479	525	951	19 122	68 396	40 625	109 099	2 314
<b>BENTON</b>													
31-33	Manufacturing .....	—	14	4	577	16 099	392	754	11 480	69 545	55 616	125 259	1 832
<b>BERKELEY</b>													
31-33	Manufacturing .....	2	13	8	782	31 730	538	1 193	17 063	123 870	106 506	232 453	3 947
<b>BLOOMINGDALE</b>													
31-33	Manufacturing .....	4	35	12	914	32 745	661	1 357	21 660	70 495	43 848	113 729	3 054
332	Fabricated metal product manufacturing .....	3	12	5	501	18 710	357	788	12 609	38 320	23 753	61 566	1 210
<b>BLOOMINGTON</b>													
31-33	Manufacturing .....	1	59	21	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	—	10	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	15	6	700	28 475	442	859	14 640	57 787	33 772	91 077	D
3231	Printing and related support activities .....	2	15	6	700	28 475	442	859	14 640	57 787	33 772	91 077	D
32311	Printing .....	2	14	6	f	D	D	D	D	D	D	D	D
<b>BLUE ISLAND</b>													
31-33	Manufacturing .....	2	38	13	1 836	61 049	1 281	2 626	40 185	159 036	129 886	292 377	6 483
311	Food manufacturing .....	—	8	1	531	15 817	293	690	9 342	38 574	18 957	57 952	1 139
3118	Bakeries and tortilla manufacturing .....	—	6	1	f	D	D	D	D	D	D	D	D
<b>BOLINGBROOK</b>													
31-33	Manufacturing .....	—	35	16	5 857	318 992	1 972	4 345	66 950	534 722	659 556	1 227 778	37 549
311	Food manufacturing .....	—	2	2	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
311611	Animal (except poultry) slaughtering .....	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	4	3	h	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	2	2	h	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	—	1	1	h	D	D	D	D	D	D	D	D
<b>BOURBONNAIS</b>													
31-33	Manufacturing .....	—	10	3	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>BRADLEY</b>													
31-33	Manufacturing .....	—	21	9	2 195	101 780	1 224	2 581	50 562	330 769	537 013	796 632	D
311	Food manufacturing .....	—	4	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	—	1	1	g	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
<b>BRIDGEVIEW</b>													
31-33	Manufacturing .....	2	81	24	2 860	114 306	2 071	3 882	72 879	339 430	406 615	744 965	38 492
332	Fabricated metal product manufacturing .....	—	23	5	559	24 479	409	717	15 854	63 229	108 421	172 578	14 987
<b>BROADVIEW</b>													
31-33	Manufacturing .....	1	82	46	4 201	165 410	3 104	6 516	103 159	402 414	275 320	676 840	20 932
323	Printing and related support activities .....	—	24	15	1 123	53 140	827	1 883	35 342	103 306	57 103	160 156	9 221
3231	Printing and related support activities .....	—	24	15	1 123	53 140	827	1 883	35 342	103 306	57 103	160 156	9 221
32311	Printing .....	—	18	11	741	39 640	512	1 155	25 954	78 912	52 384	131 023	9 046
332	Fabricated metal product manufacturing .....	1	24	12	1 233	43 682	1 005	2 156	32 465	151 724	42 167	193 312	5 176
3329	Other fabricated metal product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
<b>BUFFALO GROVE</b>													
31-33	Manufacturing .....	3	62	32	4 044	167 001	2 804	5 873	92 147	612 579	425 418	1 040 156	32 503
326	Plastics and rubber products manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	5	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	8	4	581	20 611	443	880	10 771	41 688	25 728	67 386	1 393
333	Machinery manufacturing .....	8	14	5	878	43 022	496	1 122	20 233	180 452	125 890	304 689	5 118
3335	Metalworking machinery manufacturing .....	8	9	4	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing .....	8	9	4	f	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing ..	8	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	7	5	736	26 416	491	934	12 527	169 573	96 886	263 355	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
<b>BURR RIDGE</b>													
31-33	Manufacturing .....	1	39	17	1 445	72 091	957	1 888	40 630	197 722	116 515	316 122	7 413
<b>BYRON</b>													
31-33	Manufacturing .....	5	4	3	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>CAROL STREAM</b>													
31-33	Manufacturing .....	1	103	51	5 589	241 331	3 793	7 561	136 012	534 614	535 726	1 070 357	65 011
323	Printing and related support activities .....	1	19	10	1 390	63 851	1 015	2 150	37 043	123 549	103 451	228 090	9 724
3231	Printing and related support activities .....	1	19	10	1 390	63 851	1 015	2 150	37 043	123 549	103 451	228 090	9 724
32311	Printing .....	1	19	10	1 390	63 851	1 015	2 150	37 043	123 549	103 451	228 090	9 724
323110	Commercial lithographic printing .....	1	11	6	1 174	56 405	869	1 864	32 855	108 999	95 705	204 323	9 390
332	Fabricated metal product manufacturing .....	2	'22	'12	'987	'39 344	'770	'1 595	'24 841	'89 525	'48 701	'137 084	'5 454
333	Machinery manufacturing .....	-	'18	'7	'640	'27 487	'311	'611	'11 020	'67 466	'36 794	'104 100	'1 193
336	Transportation equipment manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>CARPENTERSVILLE</b>													
31-33	Manufacturing .....	-	28	9	1 780	72 946	1 186	2 008	29 571	183 635	83 227	265 318	26 983
334	Computer and electronic product manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>CARTHAGE</b>													
31-33	Manufacturing .....	-	4	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
3363	Motor vehicle parts manufacturing .....	-	1	1	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
<b>CARY</b>													
31-33	Manufacturing .....	1	66	25	2 510	95 610	1 584	3 207	45 658	278 036	224 063	510 573	19 370
325	Chemical manufacturing .....	-	6	5	797	34 641	330	629	9 421	132 045	103 098	241 348	D
326	Plastics and rubber products manufacturing .....	2	7	6	625	27 216	444	954	15 064	64 064	74 450	139 605	7 035
3261	Plastics product manufacturing ..	2	7	6	625	27 216	444	954	15 064	64 064	74 450	139 605	7 035
32619	Other plastics product manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	D
<b>CENTRALIA</b>													
31-33	Manufacturing .....	-	19	8	1 627	47 743	1 386	2 915	34 338	246 311	110 826	361 536	7 800
326	Plastics and rubber products manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	3	2	f	D	D	D	D	D	D	D	D
<b>CHAMPAIGN</b>													
31-33	Manufacturing .....	-	57	21	2 776	85 638	1 975	3 112	56 930	380 736	403 327	783 948	41 021
323	Printing and related support activities .....	1	17	3	545	12 257	218	310	4 877	36 969	17 470	54 401	637
3231	Printing and related support activities .....	1	17	3	545	12 257	218	310	4 877	36 969	17 470	54 401	637
32311	Printing .....	1	16	3	542	12 103	216	306	4 780	36 969	17 470	54 401	637
326	Plastics and rubber products manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
326160	Plastics bottle 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>CHANNAHON</b>													
31-33	Manufacturing .....	-	13	5	604	33 927	392	874	18 475	253 606	363 067	608 636	4 228
<b>CHESTER</b>													
31-33	Manufacturing .....	1	7	4	595	14 752	563	1 291	13 444	35 243	78 219	113 629	356
311	Food manufacturing .....	1	4	4	577	14 075	548	1 261	12 973	33 455	77 209	110 831	D
<b>CHICAGO</b>													
31-33	Manufacturing .....	1	2 617	892	97 603	3 501 981	70 123	141 641	2 111 985	10 734 189	10 936 080	21 722 084	462 257
311	Food manufacturing .....	1	349	142	24 164	783 608	16 472	34 787	490 003	3 563 615	2 991 875	6 539 418	140 116
3112	Grain and oilseed milling .....	-	6	4	f	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	1	23	14	6 601	184 347	3 895	8 094	133 534	1 097 500	594 882	1 705 815	D
31133	Confectionery manufacturing from purchased chocolate ...	1	9	6	h	D	D	D	D	D	D	D	34 323
311330	Confectionery manufacturing from purchased chocolate ..	1	9	6	h	D	D	D	D	D	D	D	34 323
31134	Nonchocolate confectionery manufacturing .....	-	13	7	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	-	13	7	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	1	21	10	2 088	54 370	1 732	3 832	35 841	120 675	107 701	227 628	2 845
31141	Frozen food manufacturing ....	-	11	6	1 913	49 262	1 606	3 565	33 183	102 266	87 431	189 134	1 469
311412	Frozen specialty food manufacturing .....	-	9	5	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	2	67	44	5 927	194 299	4 463	10 014	116 381	708 725	1 215 376	1 890 829	24 985
31161	Animal slaughtering and processing .....	2	67	44	5 927	194 299	4 463	10 014	116 381	708 725	1 215 376	1 890 829	24 985
311611	Animal (except poultry) slaughtering .....	2	16	9	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses .....	2	46	32	4 461	152 064	3 247	7 270	87 407	465 475	788 163	1 244 279	13 903
311615	Poultry processing .....	1	5	3	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	1	167	46	6 560	236 453	4 298	8 674	139 179	1 107 477	408 010	1 518 721	36 577
31181	Bread and bakery product manufacturing .....	3	144	32	3 997	131 118	2 151	4 295	59 891	248 508	147 440	397 595	D
311811	Retail bakeries .....	4	107	13	f	D	D	D	D	D	D	D	827
311812	Commercial bakeries .....	1	34	16	2 645	104 954	1 320	2 918	45 695	195 949	106 403	304 007	19 098
31182	Cookie, cracker, and pasta manufacturing .....	-	15	7	2 085	94 954	1 726	3 554	70 685	836 015	233 832	1 071 309	D
311821	Cookie and cracker manufacturing .....	-	7	5	1 948	91 018	1 633	3 363	68 425	824 594	220 182	1 046 032	D
3119	Other food manufacturing .....	2	53	20	2 207	80 875	1 551	3 071	47 200	419 308	297 932	718 880	21 481
31191	Snack food manufacturing ....	-	5	3	636	15 807	421	810	9 157	134 465	56 008	192 667	D
311919	Other snack food manufacturing .....	-	5	3	636	15 807	421	810	9 157	134 465	56 008	192 667	D
31199	All other food manufacturing ...	2	32	11	1 124	40 816	903	1 818	30 020	104 299	158 899	262 557	7 323
311999	All other miscellaneous food manufacturing .....	-	20	7	686	30 538	552	1 191	23 385	75 460	127 893	202 613	5 948
312	Beverage and tobacco product manufacturing .....	-	11	6	897	30 811	431	880	15 004	191 718	215 183	410 582	D
3121	Beverage manufacturing .....	-	11	6	897	30 811	431	880	15 004	191 718	215 183	410 582	D
31211	Soft drink and ice manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing ....	-	5	3	f	D	D	D	D	D	D	D	D
314	Textile product mills .....	2	52	17	1 775	41 436	1 487	2 928	27 678	89 956	90 739	183 079	D
3141	Textile furnishings mills .....	-	28	8	673	16 045	549	1 048	11 003	31 963	44 002	75 680	838
31412	Curtain and linen mills .....	-	28	8	673	16 045	549	1 048	11 003	31 963	44 002	75 680	838
3149	Other textile product mills .....	4	24	9	1 102	25 391	938	1 880	16 675	57 993	46 737	107 399	D
31491	Textile bag and canvas mills ...	2	11	6	650	13 407	574	1 150	9 113	33 459	26 797	62 880	D
314912	Canvas and related product mills .....	2	10	6	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	2	89	27	2 402	58 461	1 683	2 925	29 163	88 747	148 798	241 932	D
3152	Cut and sew apparel manufacturing .....	4	63	21	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	4	17	9	f	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing .....	1	20	4	567	20 114	255	527	5 986	13 319	81 058	98 747	D
31599	Apparel accessories and other apparel manufacturing .....	1	20	4	567	20 114	255	527	5 986	13 319	81 058	98 747	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>CHICAGO—Con.</b>													
316	Leather and allied product manufacturing .....	1	20	9	817	21 989	659	1 363	13 750	46 280	41 822	92 397	D
3169	Other leather and allied product manufacturing .....	2	14	6	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing .....	2	14	6	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing .....	2	55	16	727	20 377	569	1 126	12 900	50 931	42 454	93 522	D
3219	Other wood product manufacturing .....	2	49	15	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	2	70	47	4 871	187 326	3 456	7 387	110 021	399 115	533 907	951 519	30 201
3222	Converted paper product manufacturing .....	2	70	47	4 871	187 326	3 456	7 387	110 021	399 115	533 907	951 519	30 201
32221	Paperboard container manufacturing .....	2	43	31	3 028	120 079	2 128	4 579	70 697	250 956	356 473	624 872	20 849
322211	Corrugated and solid fiber box manufacturing .....	4	19	16	1 582	67 736	1 113	2 459	38 717	144 773	210 055	355 215	7 229
322212	Folding paperboard box manufacturing .....	2	14	8	f	D	D	D	D	D	D	D	10 108
32222	Paper bag and coated and treated paper manufacturing ..	3	11	7	1 084	42 646	744	1 576	24 126	96 715	118 356	216 250	3 920
32223	Stationery product manufacturing .....	1	11	6	597	19 657	457	948	11 927	40 920	50 221	91 005	5 011
322232	Envelope manufacturing ....	-	7	4	507	17 503	380	820	10 283	36 594	43 926	80 405	D
323	Printing and related support activities .....	3	'373	'81	'5 739	'225 469	'4 051	'7 787	'132 760	'467 171	'236 909	'702 377	'36 873
3231	Printing and related support activities .....	3	'373	'81	'5 739	'225 469	'4 051	'7 787	'132 760	'467 171	'236 909	'702 377	'36 873
32311	Printing .....	3	'317	'60	'4 514	'174 383	'3 127	'5 950	'99 897	'365 588	'196 210	'562 311	'28 069
323110	Commercial lithographic printing .....	3	139	36	2 372	107 222	1 612	3 181	60 507	225 117	123 328	348 552	22 635
323114	Quick printing .....	3	78	5	694	19 048	508	822	11 752	38 329	13 781	52 100	1 820
32312	Support activities for printing...	4	56	21	1 225	51 086	924	1 837	32 863	101 583	40 699	140 066	8 804
323121	Tradebinding and related work .....	2	30	10	653	20 341	519	1 075	11 914	36 329	8 952	45 315	1 189
323122	Prepress services .....	5	26	11	572	30 745	405	762	20 949	65 254	31 747	94 751	7 615
325	Chemical manufacturing .....	3	115	47	4 323	185 002	2 857	5 678	98 004	785 578	740 220	1 559 053	39 406
3255	Paint, coating, and adhesive manufacturing .....	-	25	7	535	21 805	344	651	10 250	108 116	261 537	370 614	D
32551	Paint and coating manufacturing .....	-	21	7	516	20 934	332	626	9 871	106 750	259 897	367 596	1 941
325510	Paint and coating manufacturing .....	-	21	7	516	20 934	332	626	9 871	106 750	259 897	367 596	1 941
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	4	37	20	2 264	87 619	1 564	3 140	47 995	450 864	230 786	712 289	18 887
32562	Toilet preparation manufacturing .....	4	19	13	1 939	72 691	1 369	2 732	41 094	391 904	184 761	607 484	17 160
325620	Toilet preparation manufacturing .....	4	19	13	1 939	72 691	1 369	2 732	41 094	391 904	184 761	607 484	17 160
3259	Other chemical product and preparation manufacturing .....	1	22	8	602	29 233	378	786	17 164	81 078	56 632	137 770	2 711
326	Plastics and rubber products manufacturing .....	2	94	48	5 784	190 471	4 544	8 995	118 812	503 810	410 600	910 694	29 885
3261	Plastics product manufacturing ..	2	77	41	4 943	165 089	3 884	7 590	100 347	437 056	367 134	800 478	28 193
32611	Plastics packaging materials and un laminated film and sheet manufacturing .....	1	11	8	655	22 560	501	1 069	13 592	59 443	83 271	143 693	2 697
32619	Other plastics product manufacturing .....	1	54	28	3 701	122 075	2 948	5 656	73 813	328 455	246 414	569 668	21 572
326199	All other plastics product manufacturing .....	1	53	27	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	17	7	841	25 382	660	1 405	18 465	66 754	43 466	110 216	1 692
32629	Other rubber product manufacturing .....	-	12	6	f	D	D	D	D	D	D	D	1 547
326299	All other rubber product manufacturing .....	-	7	4	540	15 370	411	887	10 983	43 266	31 823	75 052	1 190
327	Nonmetallic mineral product manufacturing .....	3	66	26	1 411	55 182	1 113	2 382	40 394	159 868	136 289	297 377	6 717

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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—Con.</b>													
331	Primary metal manufacturing .....	1	65	33	2 809	122 570	1 956	4 153	71 654	279 906	703 888	988 097	12 343
3311	Iron and steel mills and ferroalloy manufacturing .....	—	5	4	579	24 386	408	851	12 891	18 770	42 765	69 768	1 046
33111	Iron and steel mills and ferroalloy manufacturing .....	—	5	4	579	24 386	408	851	12 891	18 770	42 765	69 768	1 046
331111	Iron and steel mills .....	—	5	4	579	24 386	408	851	12 891	18 770	42 765	69 768	1 046
3312	Steel product manufacturing from purchased steel .....	—	8	6	598	30 683	381	793	19 443	100 093	171 537	266 128	3 094
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	—	4	4	516	26 901	323	683	17 217	84 577	142 127	219 649	2 443
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	—	4	4	516	26 901	323	683	17 217	84 577	142 127	219 649	2 443
3314	Nonferrous metal (except aluminum) production and processing .....	—	15	8	604	30 175	364	816	13 537	71 230	346 689	418 974	4 796
3315	Foundries .....	3	28	11	736	24 943	573	1 210	16 775	65 227	48 689	115 052	1 420
33152	Nonferrous metal foundries .....	2	23	8	631	20 984	487	1 035	13 714	55 705	43 352	100 193	1 079
332	Fabricated metal product manufacturing .....	2	'496	'162	'14 703	'525 420	'11 540	'22 933	'346 812	'1 105 790	'871 659	'1 974 460	'40 541
3321	Forging and stamping .....	2	63	25	3 879	139 859	3 227	6 168	102 242	234 443	312 329	545 142	12 958
33211	Forging and stamping .....	2	63	25	3 879	139 859	3 227	6 168	102 242	234 443	312 329	545 142	12 958
332112	Nonferrous forging .....	9	1	1	f	D	D	D	D	D	D	D	D
332116	Metal stamping .....	1	49	19	2 757	90 722	2 320	4 556	67 295	209 576	179 824	387 712	9 748
3322	Cutlery and handtool manufacturing .....	1	20	7	1 373	54 312	903	1 858	27 868	107 101	58 214	163 788	3 849
33221	Cutlery and handtool manufacturing .....	1	20	7	1 373	54 312	903	1 858	27 868	107 101	58 214	163 788	3 849
332212	Hand and edge tool manufacturing .....	—	16	6	1 330	53 186	866	1 785	26 979	104 637	49 968	152 727	D
3323	Architectural and structural metals manufacturing .....	'2	'68	'25	'1 530	'48 458	'1 199	'2 153	'29 343	'106 086	'80 574	'187 225	'4 108
33232	Ornamental and architectural metal products manufacturing .....	2	'49	'19	'1 201	'36 292	'957	'1 672	'22 931	'81 287	'51 921	'133 761	'3 074
332322	Sheet metal work manufacturing .....	1	25	9	623	17 928	514	756	11 747	34 924	26 554	61 647	1 347
3324	Boiler, tank, and shipping container manufacturing .....	—	22	10	1 242	45 640	1 037	2 219	32 458	162 706	146 172	308 267	3 255
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	—	15	9	1 171	42 712	987	2 123	30 939	155 127	137 550	292 152	D
332439	Other metal container manufacturing .....	—	12	6	767	24 455	631	1 276	15 888	50 283	58 623	108 803	D
3326	Spring and wire product manufacturing .....	1	44	16	1 342	46 741	1 085	2 237	32 292	94 881	67 620	161 954	3 093
33261	Spring and wire product manufacturing .....	1	44	16	1 342	46 741	1 085	2 237	32 292	94 881	67 620	161 954	3 093
332618	Other fabricated wire product manufacturing .....	—	28	10	818	29 011	656	1 459	19 406	60 736	44 660	104 732	1 240
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	128	28	1 583	61 830	1 204	2 485	41 043	118 217	55 020	172 595	4 714
33271	Machine shops .....	3	92	17	973	38 797	763	1 590	26 968	75 792	29 207	105 103	2 674
332710	Machine shops .....	3	92	17	973	38 797	763	1 590	26 968	75 792	29 207	105 103	2 674
33272	Turned product and screw, nut, and bolt manufacturing .....	5	36	11	610	23 033	441	895	14 075	42 425	25 813	67 492	2 040
3328	Coating, engraving, heat treating, and allied activities .....	1	102	37	2 532	80 692	1 951	3 942	51 638	151 205	76 206	228 116	3 838
33281	Coating, engraving, heat treating, and allied activities ..	1	102	37	2 532	80 692	1 951	3 942	51 638	151 205	76 206	228 116	3 838
332813	Electroplating, plating, polishing, anodizing, and coloring .....	1	71	26	1 926	59 441	1 510	3 051	37 959	111 900	60 745	172 974	3 129
3329	Other fabricated metal product manufacturing .....	2	44	13	1 155	45 234	883	1 766	28 287	127 124	72 370	200 192	4 644
33299	All other fabricated metal product manufacturing .....	3	35	10	736	27 511	581	1 167	18 434	68 414	46 898	115 190	2 594
332999	All other miscellaneous fabricated metal product manufacturing .....	2	26	7	562	20 963	440	914	13 844	52 776	37 964	90 714	2 110

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>CHICAGO—Con.</b>													
333	Machinery manufacturing .....	2	146	46	3 681	160 528	2 434	4 828	83 768	318 584	168 661	481 021	7 430
3335	Metalworking machinery manufacturing .....	5	48	10	747	30 906	575	1 152	19 421	61 041	22 155	81 300	2 999
33351	Metalworking machinery manufacturing .....	5	48	10	747	30 906	575	1 152	19 421	61 041	22 155	81 300	2 999
3336	Engine, turbine, and power transmission equipment manufacturing .....	2	11	4	566	24 823	409	775	15 121	57 049	25 565	83 462	1 278
33361	Engine, turbine, and power transmission equipment manufacturing .....	2	11	4	566	24 823	409	775	15 121	57 049	25 565	83 462	1 278
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	2	10	4	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	1	34	12	958	46 358	506	1 054	18 389	105 125	47 348	145 753	1 229
33399	All other general purpose machinery manufacturing ....	—	22	6	578	25 990	329	652	11 828	70 681	26 774	90 443	944
334	Computer and electronic product manufacturing .....	1	72	25	2 394	87 640	1 625	3 115	39 868	193 609	110 653	306 802	6 403
3344	Semiconductor and other electronic component manufacturing .....	2	23	11	898	27 582	692	1 249	17 314	58 623	29 927	89 827	2 797
33441	Semiconductor and other electronic component manufacturing .....	2	23	11	898	27 582	692	1 249	17 314	58 623	29 927	89 827	2 797
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	18	5	938	38 014	589	1 239	13 440	82 346	44 931	128 031	1 935
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	18	5	938	38 014	589	1 239	13 440	82 346	44 931	128 031	1 935
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	2	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	—	62	31	5 114	208 305	3 275	6 627	104 263	559 752	417 364	982 676	31 833
3351	Electric lighting equipment manufacturing .....	3	25	11	1 227	39 514	848	1 528	20 806	105 144	54 475	160 085	D
33512	Lighting fixture manufacturing ..	3	24	11	g	D	D	D	D	D	D	D	1 304
335121	Residential electric lighting fixture manufacturing .....	5	13	7	976	29 082	692	1 170	16 367	72 256	31 571	103 454	934
3353	Electrical equipment manufacturing .....	—	18	10	2 456	119 550	1 350	2 895	53 163	278 745	190 645	475 832	D
33531	Electrical equipment manufacturing .....	—	18	10	2 456	119 550	1 350	2 895	53 163	278 745	190 645	475 832	D
335311	Power, distribution, and specialty transformer manufacturing .....	—	5	4	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ...	—	3	2	g	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	10 748
33593	Wiring device manufacturing ...	—	11	6	825	31 784	641	1 364	19 112	106 237	87 902	193 699	D
336	Transportation equipment manufacturing .....	—	52	21	4 748	224 126	4 013	8 128	182 123	1 080 665	2 415 792	3 487 908	28 857
3361	Motor vehicle manufacturing .....	—	4	1	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	—	4	1	g	D	D	D	D	D	D	D	D
336111	Automobile manufacturing ...	—	2	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	1	39	15	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	2	'163	'45	'4 927	'138 328	'4 078	'8 173	'91 036	'289 859	'230 207	'518 508	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	5	103	20	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	5	66	16	1 069	31 063	894	1 677	22 547	61 714	49 237	110 535	3 732

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>CHICAGO—Con.</b>													
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing .....	—	'42	'20	'3 002	'80 645	'2 528	'5 233	'53 879	'172 278	'130 889	'301 726	'5 730
33721	Office furniture (including fixtures) manufacturing .....	—	'42	'20	'3 002	'80 645	'2 528	'5 233	'53 879	'172 278	'130 889	'301 726	'5 730
337215	Showcase, partition, shelving, and locker manufacturing .....	—	23	13	2 286	54 619	1 991	4 201	38 823	118 088	100 415	216 632	4 461
339	Miscellaneous manufacturing .....	3	'239	'56	'5 747	'213 606	'3 459	'6 723	'93 305	'490 402	'342 237	'848 739	'23 133
3391	Medical equipment and supplies manufacturing .....	2	74	8	1 355	45 429	821	1 743	19 788	125 479	43 427	175 068	4 483
33911	Medical equipment and supplies manufacturing .....	2	74	8	1 355	45 429	821	1 743	19 788	125 479	43 427	175 068	4 483
339114	Dental equipment and supplies manufacturing .....	—	11	2	532	21 676	240	498	7 718	70 148	25 183	99 889	D
3399	Other miscellaneous manufacturing .....	3	'165	'48	'4 392	'168 177	'2 638	'4 980	'73 517	'364 923	'298 810	'673 671	'18 650
33995	Sign manufacturing .....	'5	'43	'15	'1 359	'64 015	'660	'1 221	'20 820	'145 183	'108 473	'253 977	'4 938
339950	Sign manufacturing .....	'5	'43	'15	'1 359	'64 015	'660	'1 221	'20 820	'145 183	'108 473	'253 977	'4 938
33999	All other miscellaneous manufacturing .....	1	66	20	1 934	64 794	1 229	2 296	32 399	116 185	63 419	181 273	D
339994	Broom, brush, and mop manufacturing .....	—	6	3	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing .....	4	43	11	837	24 445	568	1 075	12 142	35 818	19 147	55 878	1 309
<b>CHICAGO HEIGHTS</b>													
31-33	Manufacturing .....	—	68	36	3 268	123 249	2 162	4 185	75 310	428 631	409 591	917 634	25 627
325	Chemical manufacturing .....	—	8	6	609	29 647	412	630	19 816	161 193	144 370	390 963	7 106
331	Primary metal manufacturing .....	—	7	5	530	17 367	390	975	11 077	37 214	71 241	108 082	2 332
332	Fabricated metal product manufacturing .....	—	21	10	659	27 085	467	939	15 682	105 964	72 144	173 080	2 978
<b>CICERO</b>													
31-33	Manufacturing .....	2	114	53	4 435	167 887	3 191	6 442	99 783	'540 726	'424 482	946 951	20 643
322	Paper manufacturing .....	1	7	5	661	25 598	458	926	11 696	63 617	71 293	134 937	3 397
3222	Converted paper product manufacturing .....	1	7	5	661	25 598	458	926	11 696	63 617	71 293	134 937	3 397
331	Primary metal manufacturing .....	6	4	3	849	29 489	723	1 609	22 880	69 743	92 632	162 369	9 163
3315	Foundries .....	9	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	9	1	1	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	9	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	27	14	899	31 330	672	1 181	18 803	61 430	31 423	92 544	1 718
333	Machinery manufacturing .....	4	12	8	602	24 449	326	664	11 217	43 035	35 342	79 115	1 313
<b>CLINTON</b>													
31-33	Manufacturing .....	3	7	4	f	D	D	D	D	D	D	D	1 608
<b>COUNTRYSIDE</b>													
31-33	Manufacturing .....	1	23	7	724	37 781	346	735	15 305	82 359	82 007	166 680	D
<b>CRYSTAL LAKE</b>													
31-33	Manufacturing .....	1	90	36	3 549	128 927	2 656	5 279	83 694	328 907	201 914	509 553	21 793
326	Plastics and rubber products manufacturing .....	—	7	4	617	20 735	541	1 076	16 331	64 625	35 221	97 837	4 840
3261	Plastics product manufacturing ..	—	7	4	617	20 735	541	1 076	16 331	64 625	35 221	97 837	4 840
32619	Other plastics product manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	19	6	706	28 165	522	1 046	19 335	63 190	38 039	101 010	1 744
333	Machinery manufacturing .....	'2	'15	'9	'1 130	'45 115	'822	'1 661	'27 605	'124 461	'71 526	'176 916	'12 175
3335	Metalworking machinery manufacturing .....	—	8	2	584	25 533	453	884	17 957	62 937	28 710	71 880	D
33351	Metalworking machinery manufacturing .....	—	8	2	584	25 533	453	884	17 957	62 937	28 710	71 880	D
333515	Cutting tool and machine tool accessory manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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<b>DANVILLE</b>													
31-33	Manufacturing .....	1	55	23	3 632	143 404	2 728	5 533	94 753	362 855	694 395	1 052 127	19 017
311	Food manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	—	2	1	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
311822	Flour mixes and dough manufacturing from purchased flour .....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	6	3	3	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>DARIEN</b>													
31-33	Manufacturing .....	8	15	2	f	D	D	D	D	D	D	D	1 529
334	Computer and electronic product manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>DECATUR</b>													
31-33	Manufacturing .....	—	97	34	7 949	378 369	5 575	11 748	248 796	1 627 772	2 637 863	4 325 610	132 779
311	Food manufacturing .....	—	13	7	g	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling .....	—	6	5	g	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing .....	—	6	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	—	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing .....	—	3	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	9	5	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing .....	9	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	—	1	1	g	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
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
332	Fabricated metal product manufacturing .....	—	21	5	f	D	D	D	D	D	D	D	2 950
3329	Other fabricated metal product manufacturing .....	—	4	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
332911	Industrial valve manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	10	5	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	—	2	1	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>DEKALB</b>													
31-33	Manufacturing .....	4	47	19	2 205	75 217	1 712	3 334	49 370	219 090	202 745	418 781	12 225
333	Machinery manufacturing .....	9	7	2	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>DES PLAINES</b>													
31-33	Manufacturing .....	1	145	68	10 199	406 749	6 983	13 843	213 785	1 026 390	670 686	1 695 227	52 229
311	Food manufacturing .....	6	7	3	930	29 229	750	1 168	18 158	110 698	79 480	190 013	3 273
3118	Bakeries and tortilla manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	24	6	647	35 310	429	882	17 587	77 593	37 422	115 211	1 394
3231	Printing and related support activities .....	-	24	6	647	35 310	429	882	17 587	77 593	37 422	115 211	1 394
326	Plastics and rubber products manufacturing .....	-	12	9	1 023	34 682	799	1 327	21 291	95 355	53 004	148 589	8 945
3261	Plastics product manufacturing ..	-	9	7	868	29 883	690	1 111	18 650	86 538	47 943	134 766	8 672
332	Fabricated metal product manufacturing .....	-	33	18	2 430	96 613	1 783	3 772	62 476	194 236	152 654	350 532	10 170
3321	Forging and stamping.....	-	9	4	616	21 396	473	1 029	14 379	33 554	69 433	103 114	2 523
33211	Forging and stamping.....	-	9	4	616	21 396	473	1 029	14 379	33 554	69 433	103 114	2 523
332116	Metal stamping .....	-	9	4	616	21 396	473	1 029	14 379	33 554	69 433	103 114	2 523
3323	Architectural and structural metals manufacturing .....	-	7	5	890	35 069	649	1 385	23 850	67 599	33 677	101 567	4 632
33232	Ornamental and architectural metal products manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	8	5	1 912	75 202	1 184	2 551	29 748	236 575	115 867	347 222	8 799
3351	Electric lighting equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	15	3	1 013	40 239	595	1 115	17 189	66 442	68 729	133 116	D
3391	Medical equipment and supplies manufacturing .....	-	7	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	-	7	1	f	D	D	D	D	D	D	D	D
339115	Ophthalmic goods manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>DIXON</b>													
31-33	Manufacturing .....	-	21	15	2 665	89 201	1 948	4 087	56 491	252 966	291 626	544 051	13 318
332	Fabricated metal product manufacturing .....	-	5	5	g	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	5	3	f	D	D	D	D	D	D	D	D
<b>DOLTON</b>													
31-33	Manufacturing .....	3	22	8	784	27 543	610	1 274	20 918	84 957	68 712	152 175	6 084

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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>DOWNERS GROVE</b>													
31-33	Manufacturing .....	-	88	31	4 454	208 833	2 769	5 751	102 570	546 901	272 455	824 824	33 431
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	1	27	6	754	30 259	531	1 181	17 306	63 798	39 793	102 688	3 074
3231	Printing and related support activities .....	1	27	6	754	30 259	531	1 181	17 306	63 798	39 793	102 688	3 074
32311	Printing .....	1	22	6	733	29 209	514	1 146	16 423	60 804	39 600	100 220	D
323110	Commercial lithographic printing .....	-	10	5	625	24 613	461	1 053	14 998	47 333	32 492	79 707	2 501
333	Machinery manufacturing .....	-	13	7	890	48 240	438	929	19 247	91 599	40 101	132 334	D
334	Computer and electronic product manufacturing .....	-	8	3	571	31 185	188	383	6 272	71 196	30 880	102 826	893
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>DWIGHT</b>													
31-33	Manufacturing .....	-	4	2	f	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
<b>EAST ALTON</b>													
31-33	Manufacturing .....	1	11	6	h	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	-	1	1	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
332992	Small arms ammunition manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>EAST MOLINE</b>													
31-33	Manufacturing .....	-	24	7	h	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	5	3	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	3	2	h	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	3	2	h	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	3	2	h	D	D	D	D	D	D	D	D
<b>EAST PEORIA</b>													
31-33	Manufacturing .....	-	29	7	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	2	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
33312	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D

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<b>EFFINGHAM</b>													
31-33	Manufacturing .....	-	43	18	3 452	112 677	2 797	5 607	76 221	457 491	296 442	751 392	40 904
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 .....	-	3	3	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
<b>ELGIN</b>													
31-33	Manufacturing .....	1	194	90	19 406	1389 093	16 683	14 152	1236 370	1962 098	1874 009	11 833 039	169 548
325	Chemical manufacturing .....	1	9	7	673	32 163	206	356	7 776	59 282	66 513	128 078	4 093
326	Plastics and rubber products manufacturing .....	1	22	19	2 146	71 156	1 752	3 928	47 488	212 369	173 378	386 140	6 381
3261	Plastics product manufacturing ..	2	20	17	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	3	16	14	1 486	42 740	1 242	2 808	28 825	113 577	68 138	180 930	4 206
326199	All other plastics product manufacturing .....	3	16	14	1 486	42 740	1 242	2 808	28 825	113 577	68 138	180 930	4 206
332	Fabricated metal product manufacturing .....	-	40	16	2 402	106 095	1 914	4 038	82 106	259 888	230 877	488 642	38 967
3324	Boiler, tank, and shipping container manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332431	Metal can manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	16	6	1 041	38 973	758	1 699	27 000	72 956	59 065	131 938	15 088
33272	Turned product and screw, nut, and bolt manufacturing .....	1	9	6	993	36 733	721	1 629	25 757	69 024	57 293	126 385	14 566
332721	Precision turned product manufacturing .....	1	5	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	25	8	788	37 117	511	1 030	20 357	81 467	75 626	157 158	3 999
334	Computer and electronic product manufacturing .....	2	16	9	743	32 239	452	901	13 789	104 009	50 241	155 821	4 904
336	Transportation equipment manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
<b>ELK GROVE VILLAGE</b>													
31-33	Manufacturing .....	2	502	230	20 364	806 128	14 567	28 583	484 151	1 914 457	1 635 699	3 545 296	106 743
311	Food manufacturing .....	3	19	14	2 184	72 283	1 606	2 993	42 788	252 666	306 273	558 278	11 002
3114	Fruit and vegetable preserving and specialty food manufacturing .....	3	4	4	626	15 934	483	1 017	9 877	45 109	54 919	100 011	D
31141	Frozen food manufacturing ....	-	3	3	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	1	5	3	832	29 581	619	1 136	16 916	134 927	174 601	308 234	D
31191	Snack food manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	-	7	6	855	33 209	693	1 431	23 703	97 055	106 146	204 899	7 123
3222	Converted paper product manufacturing .....	-	7	6	855	33 209	693	1 431	23 703	97 055	106 146	204 899	7 123
32221	Paperboard container manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	2	79	39	3 416	160 160	2 460	4 813	97 685	290 303	216 750	507 572	12 203
3231	Printing and related support activities .....	2	79	39	3 416	160 160	2 460	4 813	97 685	290 303	216 750	507 572	12 203
32311	Printing .....	1	61	26	2 427	121 542	1 699	3 283	72 890	226 185	195 925	422 389	8 705
323110	Commercial lithographic printing .....	1	38	18	1 787	90 722	1 299	2 459	56 949	165 463	138 169	304 470	7 277
32312	Support activities for printing...	5	18	13	989	38 618	761	1 530	24 795	64 118	20 825	85 183	3 498
323121	Tradebinding and related work .....	4	8	6	506	14 865	439	907	10 853	27 677	5 783	33 513	772
325	Chemical manufacturing .....	1	25	11	782	30 894	458	1 022	13 237	77 371	103 261	183 271	6 074

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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>ELK GROVE VILLAGE—Con.</b>													
326	Plastics and rubber products manufacturing .....	1	32	22	2 484	84 544	1 954	3 739	56 173	188 288	179 697	371 160	26 980
3261	Plastics product manufacturing ..	1	30	20	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	2	21	14	1 537	46 370	1 223	2 348	29 628	114 721	93 438	208 730	7 841
326199	All other plastics product manufacturing .....	2	21	14	1 537	46 370	1 223	2 348	29 628	114 721	93 438	208 730	7 841
332	Fabricated metal product manufacturing .....	2	156	68	5 338	209 995	4 066	8 366	137 621	530 590	329 194	860 143	20 374
3321	Forging and stamping.....	1	9	7	755	29 766	631	1 277	21 306	72 305	75 662	148 209	2 602
33211	Forging and stamping.....	1	9	7	755	29 766	631	1 277	21 306	72 305	75 662	148 209	2 602
332116	Metal stamping .....	1	7	5	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	1	10	6	739	26 661	559	1 148	17 178	131 136	46 801	177 561	3 073
33232	Ornamental and architectural metal products manufacturing .....	1	8	5	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	1	6	5	f	D	D	D	D	D	D	D	3 013
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	4	80	28	1 955	77 320	1 455	3 020	50 083	152 339	80 060	231 577	7 447
33271	Machine shops .....	3	64	16	1 028	41 090	765	1 562	27 098	70 138	24 470	93 266	2 740
332710	Machine shops .....	3	64	16	1 028	41 090	765	1 562	27 098	70 138	24 470	93 266	2 740
33272	Turned product and screw, nut, and bolt manufacturing .....	5	16	12	927	36 230	690	1 458	22 985	82 201	55 590	138 311	4 707
332721	Precision turned product manufacturing .....	4	10	8	f	D	D	D	D	D	D	D	2 147
3328	Coating, engraving, heat treating, and allied activities .....	—	27	17	1 355	55 586	1 013	2 099	35 294	129 180	100 368	231 221	5 277
33281	Coating, engraving, heat treating, and allied activities ..	—	27	17	1 355	55 586	1 013	2 099	35 294	129 180	100 368	231 221	5 277
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	8	6	558	22 956	433	906	14 935	64 234	76 981	142 122	D
332813	Electroplating, plating, polishing, anodizing, and coloring .....	—	16	9	641	25 683	448	904	14 676	47 392	20 022	67 937	2 347
333	Machinery manufacturing .....	2	83	32	1 699	80 615	1 104	2 248	46 632	161 978	115 111	264 739	8 285
3332	Industrial machinery manufacturing .....	4	16	8	512	21 673	277	523	10 085	43 065	38 804	79 120	D
3335	Metalworking machinery manufacturing .....	1	49	15	770	38 424	561	1 159	25 302	73 083	41 686	110 858	2 182
33351	Metalworking machinery manufacturing .....	1	49	15	770	38 424	561	1 159	25 302	73 083	41 686	110 858	2 182
334	Computer and electronic product manufacturing .....	—	26	12	1 484	52 684	772	1 044	18 208	141 647	134 934	275 553	D
3344	Semiconductor and other electronic component manufacturing .....	1	14	6	868	20 732	585	751	9 594	32 588	39 337	72 284	3 593
33441	Semiconductor and other electronic component manufacturing .....	1	14	6	868	20 732	585	751	9 594	32 588	39 337	72 284	3 593
334412	Bare printed circuit board manufacturing .....	—	7	5	656	15 572	464	567	7 311	19 827	31 979	51 713	3 413
339	Miscellaneous manufacturing .....	—	22	8	719	29 444	454	901	15 291	65 307	35 918	102 578	1 378
3399	Other miscellaneous manufacturing .....	—	15	4	550	22 808	336	656	11 735	45 665	29 775	75 978	794
<b>ELMHURST</b>													
31-33	Manufacturing .....	2	91	35	2 290	94 245	1 493	3 069	45 311	229 201	177 906	403 329	19 421
<b>EVANSTON</b>													
31-33	Manufacturing .....	1	65	16	1 939	90 312	1 000	2 074	35 553	145 455	134 122	280 511	6 151
334	Computer and electronic product manufacturing .....	—	7	1	616	34 873	138	270	4 571	20 665	21 216	43 716	D
3343	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D

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<b>FAIRFIELD</b>													
31-33	Manufacturing .....	-	8	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	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>FLORA</b>													
31-33	Manufacturing .....	-	12	9	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	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
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>FORD HEIGHTS</b>													
31-33	Manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	2	1	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	1	1	h	D	D	D	D	D	D	D	D
<b>FOREST PARK</b>													
31-33	Manufacturing .....	-	27	11	1 258	47 361	960	1 894	29 739	163 278	142 068	305 314	5 223
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
31134	Nonchocolate confectionery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>FRANKFORT</b>													
31-33	Manufacturing .....	-	44	10	1 791	74 154	1 378	2 921	51 999	238 691	136 861	375 795	9 183
326	Plastics and rubber products manufacturing .....	-	4	4	691	21 796	521	1 011	12 795	116 869	82 647	198 818	D
3261	Plastics product manufacturing ..	-	4	4	691	21 796	521	1 011	12 795	116 869	82 647	198 818	D
336	Transportation equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D

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<b>FRANKLIN PARK</b>													
31-33	Manufacturing .....	-	279	108	11 779	464 741	8 314	17 034	267 832	2 131 041	1 015 465	3 147 527	58 492
311	Food manufacturing .....	-	10	3	1 064	46 330	800	1 597	33 102	311 008	141 108	451 949	11 249
3113	Sugar and confectionery product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ....	-	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	14	11	1 627	54 116	1 301	2 868	35 271	149 725	121 320	269 853	5 784
3261	Plastics product manufacturing ..	1	14	11	1 627	54 116	1 301	2 868	35 271	149 725	121 320	269 853	5 784
32619	Other plastics product manufacturing .....	-	8	6	1 419	47 350	1 136	2 533	30 761	136 709	103 329	238 834	5 220
326199	All other plastics product manufacturing .....	-	8	6	1 419	47 350	1 136	2 533	30 761	136 709	103 329	238 834	5 220
331	Primary metal manufacturing .....	-	5	5	616	20 865	476	1 005	14 388	54 590	47 665	101 288	858
332	Fabricated metal product manufacturing .....	1	115	39	3 766	147 208	2 691	5 321	92 243	322 373	274 768	600 296	10 716
3321	Forging and stamping.....	2	23	10	576	22 253	456	934	14 248	57 416	43 256	100 997	1 542
33211	Forging and stamping.....	2	23	10	576	22 253	456	934	14 248	57 416	43 256	100 997	1 542
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	3	49	12	1 075	41 838	794	1 573	27 007	83 561	47 304	133 110	5 301
33271	Machine shops .....	5	38	8	716	27 413	563	1 084	19 015	50 998	28 899	80 554	D
332710	Machine shops .....	5	38	8	716	27 413	563	1 084	19 015	50 998	28 899	80 554	D
3329	Other fabricated metal product manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	1 540
33291	Metal valve manufacturing ....	-	2	2	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	4	13	8	575	21 499	376	809	10 657	44 963	52 014	99 338	1 734
335	Electrical equipment, appliance, and component manufacturing .....	-	11	7	548	21 648	404	792	12 471	64 473	62 717	127 024	1 696
337	Furniture and related product manufacturing .....	1	11	4	835	26 118	674	1 461	17 204	61 579	42 573	104 884	D
3372	Office furniture (including fixtures) manufacturing .....	1	5	2	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing .....	1	5	2	f	D	D	D	D	D	D	D	D
337214	Office furniture (except wood) manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	21	11	1 167	58 847	446	898	10 676	282 250	125 115	404 699	5 935
3399	Other miscellaneous manufacturing .....	-	18	9	1 046	54 668	374	731	8 431	270 200	122 471	390 036	5 436
33992	Sporting and athletic goods manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>FREEPORT</b>													
31-33	Manufacturing .....	2	44	17	3 176	137 896	2 010	4 896	67 628	344 731	252 004	606 103	10 419
335	Electrical equipment, appliance, and component manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing .....	3	2	2	f	D	D	D	D	D	D	D	D
<b>FULTON</b>													
31-33	Manufacturing .....	-	9	4	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>GALESBURG</b>													
31-33	Manufacturing .....	-	39	18	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	8	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing .....	-	4	2	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
<b>GENEVA</b>													
31-33	Manufacturing .....	1	38	17	1 925	84 536	1 415	2 835	52 853	184 436	171 144	356 726	9 651
333	Machinery manufacturing .....	1	3	3	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>GENOA</b>													
31-33	Manufacturing .....	-	11	5	597	29 996	372	765	14 788	148 833	52 617	215 893	D
<b>GLENDALE HEIGHTS</b>													
31-33	Manufacturing .....	1	50	32	2 695	104 377	1 836	3 830	56 177	253 265	220 831	469 015	8 373
332	Fabricated metal product manufacturing .....	-	12	11	587	23 108	480	1 071	16 706	52 938	25 717	76 730	2 350
333	Machinery manufacturing .....	-	13	7	1 047	44 485	599	1 230	20 178	108 885	127 062	233 073	2 793
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	4	3	807	30 928	462	921	13 306	79 271	100 153	176 701	1 807
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing .....	-	4	3	807	30 928	462	921	13 306	79 271	100 153	176 701	1 807
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>GLENVIEW</b>													
31-33	Manufacturing .....	3	58	13	842	31 752	630	1 217	20 730	82 230	49 177	129 197	3 901
<b>GRANITE CITY</b>													
31-33	Manufacturing .....	-	32	17	5 400	248 204	4 438	8 958	193 589	880 444	971 044	1 857 823	D
312	Beverage and tobacco product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	5	4	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing .....	-	3	3	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills .....	-	3	3	h	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
331513	Steel foundries (except investment) .....	-	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>GRANITE CITY—Con.</b>													
336	Transportation equipment manufacturing .....	-	2	1	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
33639	Other motor vehicle parts manufacturing .....	-	1	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
<b>GREEN OAKS</b>													
31-33	Manufacturing .....	2	23	8	571	22 620	394	797	12 408	54 743	77 700	133 942	3 478
<b>GREENVILLE</b>													
31-33	Manufacturing .....	-	8	5	f	D	D	D	D	D	D	D	D
<b>GURNEE</b>													
31-33	Manufacturing .....	2	68	26	2 063	85 261	1 322	2 793	45 099	295 467	168 205	466 397	19 230
333	Machinery manufacturing .....	5	15	7	566	24 704	365	739	12 844	53 465	37 444	90 830	1 896
<b>HAMPSHIRE</b>													
31-33	Manufacturing .....	-	17	11	1 008	37 427	710	1 328	21 352	94 888	81 190	172 591	3 485
<b>HANOVER PARK</b>													
31-33	Manufacturing .....	-	16	7	533	26 277	349	772	13 850	77 433	86 597	165 356	2 353
<b>HARVEY</b>													
31-33	Manufacturing .....	2	32	15	1 664	59 980	1 170	2 221	39 013	192 700	287 589	488 091	12 541
331	Primary metal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel .....	-	1	1	f	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel .....	-	1	1	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>HARWOOD HEIGHTS</b>													
31-33	Manufacturing .....	3	25	17	1 486	62 736	981	1 985	29 973	157 715	134 141	290 535	17 821
332	Fabricated metal product manufacturing .....	-	11	5	508	17 739	404	822	12 471	31 668	19 223	51 819	1 422
<b>HERRIN</b>													
31-33	Manufacturing .....	-	7	4	1 575	53 590	1 359	2 452	41 348	93 324	177 976	271 980	D
335	Electrical equipment, appliance, and component manufacturing .....	-	1	1	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
335224	Household laundry equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
<b>HIGHLAND</b>													
31-33	Manufacturing .....	-	28	13	2 120	77 864	1 282	2 565	39 347	130 427	151 745	283 049	D
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
<b>HIGHLAND PARK</b>													
31-33	Manufacturing .....	1	39	6	854	30 355	545	1 136	16 464	117 514	71 446	188 634	2 856
326	Plastics and rubber products manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	4	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	4	1	f	D	D	D	D	D	D	D	D
<b>HILLSIDE</b>													
31-33	Manufacturing .....	1	'25	'13	'679	'26 379	'478	'933	'12 956	'64 420	'58 866	'123 821	'4 623

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>HOFFMAN ESTATES</b>													
31-33	Manufacturing .....	-	26	7	1 085	70 597	492	930	26 907	196 657	180 650	344 660	2 942
334	Computer and electronic product manufacturing .....	-	5	2	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
334517	Irradiation apparatus manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>HOOPESTON</b>													
31-33	Manufacturing .....	-	12	6	534	16 509	442	866	11 849	25 660	74 253	103 286	D
<b>HUNTLEY</b>													
31-33	Manufacturing .....	-	31	10	1 370	45 334	1 025	1 939	28 386	144 916	212 575	356 042	3 708
<b>ITASCA</b>													
31-33	Manufacturing .....	1	63	32	4 974	192 487	2 789	6 121	104 702	491 046	475 083	986 211	38 685
323	Printing and related support activities .....	-	11	7	952	41 215	722	1 424	26 131	95 100	51 577	147 041	1 512
3231	Printing and related support activities .....	-	11	7	952	41 215	722	1 424	26 131	95 100	51 577	147 041	1 512
32311	Printing .....	-	10	6	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	5	4	706	31 284	553	1 086	21 195	60 107	40 966	101 261	D
326	Plastics and rubber products manufacturing .....	-	5	4	2 052	67 171	869	2 377	40 129	204 050	267 212	485 125	19 790
3261	Plastics product manufacturing ..	-	4	4	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	3	3	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	6	15	5	536	22 125	310	522	8 329	53 282	46 391	105 280	10 312
333	Machinery manufacturing .....	2	14	7	515	28 361	262	547	11 902	56 078	54 189	110 535	1 812
<b>JACKSONVILLE</b>													
31-33	Manufacturing .....	1	21	13	h	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
3231	Printing and related support activities .....	5	6	4	852	29 971	581	1 148	14 498	103 664	56 967	158 741	3 660
32312	Support activities for printing...	6	2	2	f	D	D	D	D	D	D	D	D
323121	Tradebinding and related work .....	6	2	2	f	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
326111	Plastics bag manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media.....	-	1	1	f	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	-	1	1	f	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>JOLIET</b>													
31-33	Manufacturing .....	-	86	31	4 575	194 046	3 213	6 801	122 696	513 877	569 600	1 101 753	61 643
325	Chemical manufacturing .....	-	12	6	946	52 547	566	1 147	31 965	197 256	231 018	432 313	D
333	Machinery manufacturing .....	-	7	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	4	2	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
333995	Fluid power cylinder and actuator manufacturing .....	-	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>KANKAKEE</b>													
31-33	Manufacturing .....	-	30	16	1 952	86 577	1 320	2 939	54 765	407 701	425 700	843 051	D
325	Chemical manufacturing .....	-	4	4	f	D	D	D	D	D	D	D	D
<b>KEWANEE</b>													
31-33	Manufacturing .....	-	13	5	795	22 841	572	1 103	12 686	102 027	150 312	283 215	D
<b>LA GRANGE</b>													
31-33	Manufacturing .....	2	23	6	673	26 332	382	816	11 383	52 757	31 368	85 278	1 773
<b>LAKE BLUFF</b>													
31-33	Manufacturing .....	-	22	9	672	28 467	446	955	14 946	70 747	52 711	122 240	2 995
<b>LAKE ZURICH</b>													
31-33	Manufacturing .....	-	35	17	2 379	91 977	1 690	3 485	50 332	314 573	286 090	619 275	18 258
332	Fabricated metal product manufacturing .....	-	7	3	644	32 493	445	922	17 596	51 890	36 124	91 916	D
333	Machinery manufacturing .....	-	7	5	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>LANSING</b>													
31-33	Manufacturing .....	2	35	6	1 900	55 334	1 327	2 716	25 432	115 267	139 740	251 355	6 344
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
32619	Other plastics product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>LEMONT</b>													
31-33	Manufacturing .....	-	25	11	1 308	79 150	742	1 578	38 821	S	1 660 929	1 504 359	D
324	Petroleum and coal products manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>LIBERTYVILLE</b>													
31-33	Manufacturing .....	1	65	21	2 418	93 157	1 757	3 416	52 084	238 049	150 045	387 279	10 557
326	Plastics and rubber products manufacturing .....	-	6	2	640	25 563	439	1 051	10 686	49 446	28 464	76 977	1 783
3261	Plastics product manufacturing ..	-	6	2	640	25 563	439	1 051	10 686	49 446	28 464	76 977	1 783
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
332	Fabricated metal product manufacturing .....	2	11	6	879	31 218	740	1 209	23 885	97 527	64 309	160 919	1 906
3321	Forging and stamping.....	1	3	3	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	1	3	3	f	D	D	D	D	D	D	D	D
332116	Metal stamping .....	1	2	2	f	D	D	D	D	D	D	D	D
<b>LINCOLN</b>													
31-33	Manufacturing .....	-	15	4	f	D	D	D	D	D	D	D	D
<b>LINCOLNSHIRE</b>													
31-33	Manufacturing .....	-	22	11	1 125	49 457	618	1 244	18 510	160 280	264 623	425 879	4 160

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>LINCOLNWOOD</b>													
31-33	Manufacturing .....	2	35	22	2 050	86 670	1 344	2 887	44 462	209 063	134 693	329 862	9 032
332	Fabricated metal product manufacturing .....	2	8	6	512	22 304	365	854	13 889	49 512	30 369	80 318	2 504
333	Machinery manufacturing .....	—	6	4	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>LISLE</b>													
31-33	Manufacturing .....	3	39	8	716	28 802	368	662	11 495	66 568	56 434	122 999	2 720
<b>LITCHFIELD</b>													
31-33	Manufacturing .....	—	14	9	1 143	35 353	915	1 842	25 705	94 178	140 919	237 111	2 455
336	Transportation equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	1	1	f	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
<b>LOCKPORT</b>													
31-33	Manufacturing .....	1	20	9	725	28 978	475	989	16 381	95 076	69 142	165 697	4 832
<b>LOMBARD</b>													
31-33	Manufacturing .....	2	88	24	1 441	52 788	1 023	2 065	30 629	104 261	84 971	189 247	10 632
<b>LOVES PARK</b>													
31-33	Manufacturing .....	—	110	38	3 644	142 295	2 420	4 735	74 741	299 204	231 236	533 714	18 412
332	Fabricated metal product manufacturing .....	1	42	10	615	22 988	455	882	12 956	48 627	25 387	72 739	1 781
333	Machinery manufacturing .....	—	23	9	1 261	54 949	829	1 545	30 347	122 852	92 332	220 020	6 758
3336	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	—	3	3	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing .....	—	2	2	f	D	D	D	D	D	D	D	D
<b>MCHENRY</b>													
31-33	Manufacturing .....	—	58	17	1 628	59 833	1 143	2 411	37 321	162 711	124 132	285 898	4 985
336	Transportation equipment manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
<b>MACHESNEY PARK</b>													
31-33	Manufacturing .....	1	52	15	929	37 730	564	1 128	19 236	83 858	52 081	134 496	D
<b>MACOMB</b>													
31-33	Manufacturing .....	—	14	3	f	D	D	D	D	D	D	D	D
<b>MARENGO</b>													
31-33	Manufacturing .....	1	18	10	1 220	54 596	747	1 366	20 033	111 254	215 831	324 277	5 607
333	Machinery manufacturing .....	—	5	3	f	D	D	D	D	D	D	D	2 842
<b>MARION</b>													
31-33	Manufacturing .....	1	26	7	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>MARSHALL</b>													
31-33	Manufacturing .....	-	7	4	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MATTOON</b>													
31-33	Manufacturing .....	-	23	8	g	D	D	D	D	D	D	D	15 116
<b>MAYWOOD</b>													
31-33	Manufacturing .....	4	29	9	593	22 736	430	875	13 034	44 718	39 628	83 810	2 352
<b>MELROSE PARK</b>													
31-33	Manufacturing .....	1	123	61	7 013	327 455	4 391	9 106	162 310	1 069 763	832 399	1 876 449	40 760
322	Paper manufacturing .....	-	4	4	515	32 232	292	665	16 466	75 739	48 609	126 866	D
3222	Converted paper product manufacturing .....	-	4	4	515	32 232	292	665	16 466	75 739	48 609	126 866	D
323	Printing and related support activities .....	5	5	4	795	31 272	608	1 313	20 193	60 362	37 579	97 872	3 165
3231	Printing and related support activities .....	5	5	4	795	31 272	608	1 313	20 193	60 362	37 579	97 872	3 165
32311	Printing .....	5	5	4	795	31 272	608	1 313	20 193	60 362	37 579	97 872	3 165
325	Chemical manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	13 514
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	3	46	19	1 350	51 735	957	2 014	30 743	113 156	75 975	189 481	3 663
333	Machinery manufacturing .....	-	13	5	958	50 000	727	1 393	34 965	135 359	328 743	454 925	6 282
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	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
339	Miscellaneous manufacturing .....	3	12	8	790	32 303	533	1 040	15 970	48 787	56 320	106 392	1 278
3399	Other miscellaneous manufacturing .....	4	11	7	f	D	D	D	D	D	D	D	D
<b>MENDOTA</b>													
31-33	Manufacturing .....	-	11	7	938	31 911	678	1 337	19 889	115 515	122 247	237 781	3 924
<b>MILAN</b>													
31-33	Manufacturing .....	1	21	9	698	23 050	567	1 260	15 920	51 134	41 759	92 280	D
<b>MOKENA</b>													
31-33	Manufacturing .....	1	50	12	1 088	47 441	786	1 667	28 093	126 824	108 751	230 991	5 058
<b>MOLINE</b>													
31-33	Manufacturing .....	-	49	17	1 935	80 403	1 297	2 509	43 711	258 656	208 447	467 539	8 919
333	Machinery manufacturing .....	-	11	7	g	D	D	D	D	D	D	D	6 714
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment 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	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>MONMOUTH</b>													
31-33	Manufacturing .....	-	18	5	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	1	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
311611	Animal (except poultry) slaughtering .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>MONTGOMERY</b>													
31-33	Manufacturing .....	-	27	18	3 063	107 479	2 287	4 414	72 161	496 009	357 018	854 579	11 042
311	Food manufacturing .....	-	2	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
31142	Fruit and vegetable canning, pickling, and drying .....	-	1	1	f	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	3	2	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
337215	Showcase, partition, shelving, and locker manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>MORRIS</b>													
31-33	Manufacturing .....	-	16	6	580	23 152	434	780	14 872	76 314	129 149	204 986	D
<b>MORTON</b>													
31-33	Manufacturing .....	1	27	16	1 697	63 427	1 328	2 636	42 618	166 380	107 181	272 051	9 052
332	Fabricated metal product manufacturing .....	-	9	8	905	33 790	696	1 284	23 453	68 670	44 581	111 747	D
3323	Architectural and structural metals manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MORTON GROVE</b>													
31-33	Manufacturing .....	-	50	18	3 701	164 286	2 420	5 446	83 895	795 088	333 403	1 131 508	26 607
325	Chemical manufacturing .....	-	4	3	1 071	41 932	820	2 106	28 114	556 748	155 624	711 759	15 107
3256	Soap, cleaning compound, and toilet preparation manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	3	10	3	1 070	51 147	556	1 084	18 948	61 392	44 183	107 154	D
3399	Other miscellaneous manufacturing .....	3	6	3	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MOUNT CARMEL</b>													
31-33	Manufacturing .....	1	15	4	g	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>MOUNT MORRIS</b>													
31-33	Manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	-	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	2	1	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	1	1	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MOUNT PROSPECT</b>													
31-33	Manufacturing .....	-	41	18	1 995	98 358	773	1 584	28 146	251 666	183 329	437 160	9 550
333	Machinery manufacturing .....	-	5	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333311	Automatic vending machine manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MOUNT VERNON</b>													
31-33	Manufacturing .....	2	26	7	f	D	D	D	D	D	D	D	1 247
<b>MUNDELEIN</b>													
31-33	Manufacturing .....	1	76	32	2 809	109 380	1 996	3 878	60 559	283 599	222 500	506 816	9 855
326	Plastics and rubber products manufacturing .....	-	5	5	560	20 446	416	789	14 264	56 587	53 571	112 374	667
<b>MURPHYSBORO</b>													
31-33	Manufacturing .....	-	12	3	516	15 901	434	788	11 982	43 189	47 158	89 221	D
<b>NAPERVILLE</b>													
31-33	Manufacturing .....	2	99	26	2 513	102 811	1 815	3 702	62 380	285 164	206 122	490 943	33 235
323	Printing and related support activities .....	-	19	4	757	31 328	547	1 024	18 982	87 797	56 766	144 723	3 225
3231	Printing and related support activities .....	-	19	4	757	31 328	547	1 024	18 982	87 797	56 766	144 723	3 225
32311	Printing .....	-	18	4	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	7	3	662	28 120	487	910	17 189	81 750	53 316	135 214	3 018
326	Plastics and rubber products manufacturing .....	2	6	5	609	20 214	504	1 100	14 298	44 647	28 210	72 320	6 299
3261	Plastics product manufacturing ..	2	6	5	609	20 214	504	1 100	14 298	44 647	28 210	72 320	6 299
32619	Other plastics product manufacturing .....	2	4	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	2	4	4	f	D	D	D	D	D	D	D	D
<b>NASHVILLE</b>													
31-33	Manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>NILES</b>													
31-33	Manufacturing .....	1	101	50	4 821	183 290	3 399	6 873	113 498	562 612	535 521	1 103 920	32 084
311	Food manufacturing .....	-	11	6	689	26 271	550	1 094	20 153	225 648	70 174	295 584	5 897
3118	Bakeries and tortilla manufacturing .....	-	9	4	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	5	26	8	1 115	52 764	827	1 756	34 994	99 297	60 722	160 433	3 321
3231	Printing and related support activities .....	5	26	8	1 115	52 764	827	1 756	34 994	99 297	60 722	160 433	3 321
32311	Printing .....	4	24	8	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	4	14	7	1 001	48 796	750	1 609	32 499	89 208	55 770	145 391	2 982
332	Fabricated metal product manufacturing .....	3	16	9	554	18 692	441	851	12 788	35 226	31 037	68 362	1 051

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>NORMAL</b>													
31-33	Manufacturing .....	-	26	7	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	3	2	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile manufacturing...	-	1	1	h	D	D	D	D	D	D	D	D
<b>NORRIDGE</b>													
31-33	Manufacturing .....	1	15	8	530	18 162	387	826	10 569	38 863	31 293	70 512	2 383
<b>NORTH AURORA</b>													
31-33	Manufacturing .....	-	19	8	1 049	37 272	691	1 474	23 182	127 757	192 638	320 042	8 883
<b>NORTHBROOK</b>													
31-33	Manufacturing .....	3	117	36	3 470	145 739	2 187	4 285	71 110	418 146	274 936	690 938	16 297
335	Electrical equipment, appliance, and component manufacturing .....	2	6	3	542	21 090	410	751	12 469	56 985	50 747	107 344	1 148
339	Miscellaneous manufacturing .....	-	22	4	606	29 560	221	440	7 677	78 530	72 728	152 929	6 293
<b>NORTH CHICAGO</b>													
31-33	Manufacturing .....	-	21	8	790	30 712	503	1 032	15 226	114 641	102 786	218 032	2 838
<b>NORTHLAKE</b>													
31-33	Manufacturing .....	-	26	15	2 408	84 566	1 757	4 038	55 207	247 910	265 214	511 745	39 817
326	Plastics and rubber products manufacturing .....	-	2	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
326111	Plastics bag manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>OAK BROOK</b>													
31-33	Manufacturing .....	6	18	4	f	D	D	D	D	D	D	D	D
<b>OAK LAWN</b>													
31-33	Manufacturing .....	1	30	6	505	19 435	342	728	12 211	44 256	40 475	83 164	3 792
<b>OREGON</b>													
31-33	Manufacturing .....	-	8	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>ORLAND PARK</b>													
31-33	Manufacturing .....	-	53	11	2 384	127 139	1 228	2 630	45 322	394 887	143 634	552 372	19 638
331	Primary metal manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	-	1	1	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	-	1	1	g	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing.....	-	1	1	g	D	D	D	D	D	D	D	D
<b>OSWEGO</b>													
31-33	Manufacturing .....	1	19	5	576	23 225	332	631	10 945	54 484	41 353	96 707	4 218
<b>OTTAWA</b>													
31-33	Manufacturing .....	-	24	9	850	32 804	619	1 188	20 437	101 405	59 168	159 105	18 058
<b>PALATINE</b>													
31-33	Manufacturing .....	1	68	14	2 173	88 058	1 253	2 609	35 414	244 362	259 791	500 536	15 272
335	Electrical equipment, appliance, and component manufacturing .....	-	3	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
335221	Household cooking appliance 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>PARIS</b>													
31-33	Manufacturing .....	-	25	12	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	4 007
3261	Plastics product manufacturing ..	1	4	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	1	3	3	f	D	D	D	D	D	D	D	D
<b>PAXTON</b>													
31-33	Manufacturing .....	-	9	5	f	D	D	D	D	D	D	D	D
<b>PEKIN</b>													
31-33	Manufacturing .....	-	31	12	1 193	45 941	845	1 772	27 589	263 572	356 684	609 842	22 878
325	Chemical manufacturing .....	-	7	4	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	6	4	f	D	D	D	D	D	D	D	D
<b>PEORIA</b>													
31-33	Manufacturing .....	1	108	47	4 763	179 809	3 006	5 738	96 444	519 548	693 992	1 284 471	D
311	Food manufacturing .....	-	9	7	795	26 279	402	565	11 519	64 805	60 221	124 678	D
3118	Bakeries and tortilla manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	26	12	942	36 214	498	974	16 377	67 089	30 742	98 494	D
3231	Printing and related support activities .....	3	26	12	942	36 214	498	974	16 377	67 089	30 742	98 494	D
32311	Printing .....	3	24	12	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	2	15	10	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	21	9	959	33 857	614	1 076	14 896	100 732	79 644	183 295	D
3329	Other fabricated metal product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	2	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
<b>PERU</b>													
31-33	Manufacturing .....	1	26	14	1 401	56 261	1 037	2 162	36 620	196 111	198 736	396 094	18 834
<b>PINCKNEYVILLE</b>													
31-33	Manufacturing .....	-	8	5	1 280	43 819	956	2 008	26 126	93 655	67 668	166 461	3 517
334	Computer and electronic product manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media, ...	-	2	2	g	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media, ...	-	2	2	g	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>PLAINFIELD</b>													
31-33	Manufacturing .....	9	17	7	f	D	D	D	D	D	D	D	D
<b>PLANO</b>													
31-33	Manufacturing .....	8	11	3	819	22 402	670	1 405	15 259	95 934	44 219	140 520	D
326	Plastics and rubber products manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	9	4	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	9	4	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	9	4	2	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>PONTIAC</b>													
31-33	Manufacturing .....	-	14	7	2 135	110 944	1 356	3 063	64 668	389 571	194 296	577 365	D
323	Printing and related support activities .....	-	4	3	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities .....	-	4	3	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	3	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	2	2	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
<b>PRINCETON</b>													
31-33	Manufacturing .....	-	15	7	1 309	43 533	870	1 646	27 562	154 161	81 850	231 223	D
334	Computer and electronic product manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
<b>QUINCY</b>													
31-33	Manufacturing .....	-	54	20	h	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	8	6	g	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery and equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>RANTOUL</b>													
31-33	Manufacturing .....	-	14	7	2 720	87 609	2 326	3 831	65 077	249 023	282 130	526 220	D
321	Wood product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32191	Millwork .....	-	1	1	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
326	Plastics and rubber products manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	-	1	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
<b>RIVERDALE</b>													
31-33	Manufacturing .....	-	18	11	961	44 415	706	1 425	29 119	129 915	189 523	313 289	14 146
332	Fabricated metal product manufacturing .....	-	8	6	621	29 353	458	935	19 046	94 650	137 386	226 713	12 380

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>ROBINSON</b>													
31-33	Manufacturing .....	-	10	5	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	1	1	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
324	Petroleum and coal products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>ROCHELLE</b>													
31-33	Manufacturing .....	-	25	9	1 829	58 351	1 507	3 303	42 992	143 964	328 705	472 519	31 725
311	Food manufacturing .....	-	3	3	g	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
311611	Animal (except poultry) slaughtering .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>ROCK FALLS</b>													
31-33	Manufacturing .....	3	21	8	f	D	D	D	D	D	D	D	2 393
<b>ROCKFORD</b>													
31-33	Manufacturing .....	1	421	148	21 733	940 118	14 123	28 890	528 184	2 955 322	1 831 638	4 773 331	107 950
311	Food manufacturing .....	-	13	2	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	1	16	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	183	62	7 611	303 096	6 051	12 077	212 360	700 179	408 162	1 105 089	37 994
3325	Hardware manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	-	5	3	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	3 643
33261	Spring and wire product manufacturing .....	-	6	4	f	D	D	D	D	D	D	D	3 643
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing .....	1	108	32	3 977	169 042	3 247	6 860	128 953	352 607	233 490	584 387	22 058
33271	Machine shops .....	1	76	13	851	34 554	610	1 150	21 949	62 371	24 410	88 344	3 155
332710	Machine shops .....	1	76	13	851	34 554	610	1 150	21 949	62 371	24 410	88 344	3 155
33272	Turned product and screw, nut, and bolt manufacturing .....	1	32	19	3 126	134 488	2 637	5 710	107 004	290 236	209 080	496 043	18 903
332722	Bolt, nut, screw, rivet, and washer manufacturing .....	1	19	12	h	D	D	D	D	D	D	D	17 649
3328	Coating, engraving, heat treating, and allied activities .....	1	26	6	508	18 057	411	871	11 932	34 287	10 791	45 029	875
33281	Coating, engraving, heat treating, and allied activities ..	1	26	6	508	18 057	411	871	11 932	34 287	10 791	45 029	875
333	Machinery manufacturing .....	2	89	34	4 319	192 494	2 485	5 082	98 242	412 765	334 416	730 533	13 599
3335	Metalworking machinery manufacturing .....	3	52	15	1 752	75 667	929	1 941	35 611	132 597	115 406	252 389	6 316
33351	Metalworking machinery manufacturing .....	3	52	15	1 752	75 667	929	1 941	35 611	132 597	115 406	252 389	6 316
333515	Cutting tool and machine tool accessory manufacturing .....	8	17	3	561	20 571	274	583	11 059	46 023	26 881	74 121	1 566
3339	Other general purpose machinery manufacturing .....	-	19	9	1 560	71 585	1 001	2 064	42 162	174 181	144 016	296 827	D
33399	All other general purpose machinery manufacturing .....	-	16	8	g	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing .....	-	4	3	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>ROCKFORD—Con.</b>													
336	Transportation equipment manufacturing .....	—	18	10	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	2	12	5	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing .....	—	3	3	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing .....	—	3	3	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing .....	—	2	2	h	D	D	D	D	D	D	D	D
<b>ROCK ISLAND</b>													
31-33	Manufacturing .....	2	47	19	1 563	43 445	1 230	2 421	30 011	114 012	101 667	223 167	4 869
<b>ROCKTON</b>													
31-33	Manufacturing .....	—	6	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	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
333294	Food product machinery manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>ROLLING MEADOWS</b>													
31-33	Manufacturing .....	1	56	23	4 342	271 023	2 055	3 516	74 256	490 322	455 456	969 491	20 214
334	Computer and electronic product manufacturing .....	—	11	7	3 024	208 352	1 153	1 700	44 094	333 156	348 332	706 324	13 564
3345	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	4	3	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing .....	—	4	3	h	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing .....	—	1	1	g	D	D	D	D	D	D	D	D
<b>ROMEDEVILLE</b>													
31-33	Manufacturing .....	2	58	22	1 825	72 322	1 157	2 361	38 696	160 394	146 078	304 761	11 024
<b>ROSELLE</b>													
31-33	Manufacturing .....	2	43	11	821	31 374	531	1 050	17 857	65 792	38 768	104 482	2 183
<b>ST. CHARLES</b>													
31-33	Manufacturing .....	—	126	64	6 869	265 846	4 685	9 453	145 749	897 645	637 475	1 540 311	37 040
311	Food manufacturing .....	—	7	5	950	39 919	758	1 674	28 074	428 519	224 249	655 749	11 218
323	Printing and related support activities .....	—	15	5	687	27 215	488	1 042	14 846	59 623	49 266	110 086	2 584
3231	Printing and related support activities .....	—	15	5	687	27 215	488	1 042	14 846	59 623	49 266	110 086	2 584
32311	Printing .....	—	14	4	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	—	6	3	582	23 995	411	902	12 863	53 209	44 642	99 032	2 350
326	Plastics and rubber products manufacturing .....	—	13	11	791	26 020	610	1 165	16 612	51 557	53 142	105 238	D
3261	Plastics product manufacturing .....	1	12	10	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing .....	1	11	9	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	1	10	9	719	23 630	575	1 086	15 368	45 909	49 139	95 364	D
333	Machinery manufacturing .....	—	19	10	725	33 608	491	974	18 638	63 231	37 516	100 567	3 450
334	Computer and electronic product manufacturing .....	8	7	3	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing .....	9	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>ST. CHARLES—Con.</b>													
335	Electrical equipment, appliance, and component manufacturing .....	—	6	3	593	24 617	213	393	7 024	20 388	25 865	51 246	D
3359	Other electrical equipment and component manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
<b>SALEM</b>													
31-33	Manufacturing .....	—	17	10	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>SAVANNA</b>													
31-33	Manufacturing .....	—	7	2	542	17 902	440	936	12 050	60 771	42 024	102 839	D
<b>SCHAUMBURG</b>													
31-33	Manufacturing .....	—	173	50	6 249	251 504	4 204	8 586	143 709	1 195 674	703 148	1 906 983	17 332
311	Food manufacturing .....	2	4	4	1 023	27 424	510	1 090	12 668	89 171	112 204	201 918	4 271
323	Printing and related support activities .....	1	33	6	500	24 470	352	703	14 647	49 733	18 699	69 053	2 510
3231	Printing and related support activities .....	1	33	6	500	24 470	352	703	14 647	49 733	18 699	69 053	2 510
326	Plastics and rubber products manufacturing .....	—	10	6	638	22 928	490	988	13 214	51 555	42 058	92 685	1 967
332	Fabricated metal product manufacturing .....	1	44	7	891	38 085	640	1 111	21 597	77 168	49 942	122 938	2 859
333	Machinery manufacturing .....	—	30	10	801	39 695	515	1 109	20 958	69 643	35 561	104 107	1 865
334	Computer and electronic product manufacturing .....	—	13	6	g	D	D	D	D	D	D	D	1 525
3342	Communications equipment manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	6	13	5	698	15 601	622	1 230	12 019	31 781	21 180	50 443	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	6	11	4	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing .....	6	4	4	627	13 407	570	1 143	10 682	25 168	18 995	44 020	D
337122	Nonupholstered wood household furniture manufacturing .....	9	2	2	f	D	D	D	D	D	D	D	D
<b>SCHILLER PARK</b>													
31-33	Manufacturing .....	2	88	41	3 721	150 090	2 492	4 614	88 375	454 616	230 846	683 994	20 867
311	Food manufacturing .....	—	5	2	f	D	D	D	D	D	D	D	2 397
3118	Bakeries and tortilla manufacturing .....	—	3	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	1	34	15	1 232	47 511	942	1 992	32 164	116 315	81 619	197 901	11 254
333	Machinery manufacturing .....	5	21	10	738	32 472	455	931	16 070	65 249	43 511	107 724	3 992

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>SHELBYVILLE</b>													
31-33	Manufacturing .....	-	7	4	g	D	D	D	D	D	D	D	5 886
322	Paper manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
<b>SKOKIE</b>													
31-33	Manufacturing .....	2	194	54	8 205	284 626	5 787	10 720	161 543	644 767	547 986	1 190 030	26 370
326	Plastics and rubber products manufacturing .....	9	4	3	596	13 430	370	551	6 588	29 848	22 875	53 880	D
3262	Rubber product manufacturing ...	9	2	2	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing .....	9	2	2	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	9	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	2	36	10	894	32 031	648	1 316	20 903	75 070	37 648	111 677	2 509
334	Computer and electronic product manufacturing .....	1	13	6	758	32 381	417	867	10 593	66 023	45 882	111 646	D
335	Electrical equipment, appliance, and component manufacturing .....	-	7	4	1 190	52 702	801	1 601	31 376	130 459	51 457	178 085	5 826
3353	Electrical equipment manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing .....	-	3	2	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
339	Miscellaneous manufacturing .....	-	37	8	2 109	73 388	1 568	2 500	43 833	145 603	135 392	282 585	6 115
3399	Other miscellaneous manufacturing .....	-	11	4	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>SOUTH BELOIT</b>													
31-33	Manufacturing .....	-	33	14	1 895	73 978	1 301	2 314	42 009	161 599	163 460	322 948	7 493
333	Machinery manufacturing .....	-	12	8	983	39 979	651	1 190	22 286	82 598	51 157	129 476	D
<b>SOUTH ELGIN</b>													
31-33	Manufacturing .....	1	53	19	1 924	66 939	1 478	3 093	43 638	126 170	90 111	214 975	4 186
326	Plastics and rubber products manufacturing .....	-	6	5	789	23 670	619	1 266	16 453	46 773	27 764	74 190	1 609
3261	Plastics product manufacturing ..	-	6	5	789	23 670	619	1 266	16 453	46 773	27 764	74 190	1 609
32619	Other plastics product manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
<b>SOUTH HOLLAND</b>													
31-33	Manufacturing .....	2	57	23	2 208	84 851	1 604	3 401	51 509	217 049	245 394	462 383	6 312
311	Food manufacturing .....	2	6	3	965	36 234	697	1 535	21 246	102 476	154 173	256 638	3 585
3116	Animal slaughtering and processing .....	2	4	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	2	4	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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<b>SPARTA</b>													
31-33	Manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
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
33152	Nonferrous metal foundries ....	-	2	1	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>SPRINGFIELD</b>													
31-33	Manufacturing .....	1	78	27	2 590	96 222	1 667	3 137	51 049	201 297	202 671	400 465	11 055
333	Machinery manufacturing .....	1	6	2	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>SPRING GROVE</b>													
31-33	Manufacturing .....	1	42	13	2 067	94 172	1 051	2 250	31 855	312 159	183 407	492 739	6 082
335	Electrical equipment, appliance, and component manufacturing .....	-	3	2	g	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>STERLING</b>													
31-33	Manufacturing .....	-	16	4	1 116	41 545	852	1 727	30 028	123 102	113 238	238 361	D
332	Fabricated metal product manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	D
3325	Hardware manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>STREAMWOOD</b>													
31-33	Manufacturing .....	4	36	8	1 085	41 510	801	1 604	25 379	86 285	89 904	175 364	4 438
<b>STREATOR</b>													
31-33	Manufacturing .....	-	20	8	698	29 377	566	1 136	22 129	79 394	68 201	147 418	D
<b>SULLIVAN</b>													
31-33	Manufacturing .....	-	11	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
<b>SYCAMORE</b>													
31-33	Manufacturing .....	-	26	12	1 368	46 134	1 023	1 974	25 408	155 319	171 093	323 765	11 738
<b>TINLEY PARK</b>													
31-33	Manufacturing .....	1	47	17	1 404	52 237	969	1 968	31 444	148 843	90 945	238 274	4 383
<b>UNIVERSITY PARK</b>													
31-33	Manufacturing .....	-	15	10	1 394	56 961	880	1 680	29 087	166 793	121 960	295 454	5 006
334	Computer and electronic product manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>URBANA</b>													
31-33	Manufacturing .....	-	26	10	1 550	47 751	963	1 817	24 467	368 472	253 187	620 285	6 606
336	Transportation equipment manufacturing .....	-	2	2	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
33639	Other motor vehicle parts manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts 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.**

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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>VANDALIA</b>													
31-33	Manufacturing .....	-	12	4	f	D	D	D	D	D	D	D	D
<b>VERNON HILLS</b>													
31-33	Manufacturing .....	1	31	11	1 679	83 569	764	1 585	24 167	219 127	156 017	380 230	10 733
334	Computer and electronic product manufacturing .....	1	5	3	g	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>VILLA PARK</b>													
31-33	Manufacturing .....	3	64	10	764	29 256	545	1 114	17 791	61 273	24 068	85 277	2 419
<b>WAUCONDA</b>													
31-33	Manufacturing .....	3	65	13	1 448	48 730	1 091	2 180	28 472	105 030	106 710	212 581	9 169
332	Fabricated metal product manufacturing .....	-	18	4	528	18 533	397	846	10 775	33 161	54 771	87 292	6 473
<b>WAUKEGAN</b>													
31-33	Manufacturing .....	-	86	31	4 780	205 983	2 879	5 995	89 926	505 747	377 819	886 588	58 148
322	Paper manufacturing .....	-	3	3	552	22 457	443	931	15 443	48 101	48 599	96 703	D
3222	Converted paper product manufacturing .....	-	3	3	552	22 457	443	931	15 443	48 101	48 599	96 703	D
332	Fabricated metal product manufacturing .....	-	17	7	758	34 957	427	913	15 619	73 218	41 477	114 801	4 433
335	Electrical equipment, appliance, and component manufacturing .....	-	6	4	1 121	38 248	713	1 445	17 841	70 836	117 438	188 265	6 309
3359	Other electrical equipment and component manufacturing .....	-	4	3	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	2	2	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	-	8	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 .....	-	2	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>WEST CHICAGO</b>													
31-33	Manufacturing .....	1	105	51	5 514	233 507	4 225	8 541	157 725	1 186 943	782 703	1 979 464	56 316
311	Food manufacturing .....	2	5	4	1 360	72 458	1 059	2 307	52 949	780 265	362 089	1 148 186	27 958
3112	Grain and oilseed milling .....	-	1	1	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing .....	9	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	11	9	744	38 339	438	894	18 192	76 363	133 467	212 751	5 180
326	Plastics and rubber products manufacturing .....	-	18	17	1 551	52 673	1 308	2 631	40 758	141 908	150 581	288 297	13 767
3261	Plastics product manufacturing ..	-	17	16	g	D	D	D	D	D	D	D	D
<b>WEST FRANKFORT</b>													
31-33	Manufacturing .....	-	6	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
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>WESTMONT</b>													
31-33	Manufacturing .....	6	44	9	867	28 509	638	1 316	18 801	73 356	45 277	120 218	2 305

See footnotes at end of table.

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<b>WHEATON</b>													
31-33	Manufacturing .....	2	36	6	1 492	57 469	1 132	2 241	37 453	164 310	42 245	207 083	4 275
333	Machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>WHEELING</b>													
31-33	Manufacturing .....	1	182	78	8 367	342 255	5 645	11 304	188 758	1 035 314	936 042	1 992 735	49 625
323	Printing and related support activities .....	-	27	7	859	36 566	604	1 029	23 842	118 645	67 582	189 949	1 700
3231	Printing and related support activities .....	-	27	7	859	36 566	604	1 029	23 842	118 645	67 582	189 949	1 700
32311	Printing .....	-	24	7	849	36 217	596	1 014	23 608	118 027	67 374	189 123	1 681
326	Plastics and rubber products manufacturing .....	2	13	6	f	D	D	D	D	D	D	D	3 191
3261	Plastics product manufacturing ..	1	12	5	602	19 162	430	991	11 555	48 192	33 757	83 226	D
32619	Other plastics product manufacturing .....	1	11	5	591	18 841	421	974	11 317	48 192	33 757	83 226	D
326199	All other plastics product manufacturing .....	1	10	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	48	23	2 596	103 117	1 886	3 506	64 505	247 587	242 902	495 780	18 141
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing .....	1	23	8	506	22 211	386	827	16 489	45 555	16 183	62 507	5 807
3329	Other fabricated metal product manufacturing .....	-	8	6	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing .....	-	6	4	842	27 188	684	966	18 891	72 880	123 166	196 744	5 325
332999	All other miscellaneous fabricated metal product manufacturing .....	-	6	4	842	27 188	684	966	18 891	72 880	123 166	196 744	5 325
333	Machinery manufacturing .....	-	26	9	881	43 004	476	963	18 253	115 489	47 876	161 939	6 824
334	Computer and electronic product manufacturing .....	-	10	5	603	24 156	403	876	12 543	80 440	122 494	214 256	1 406
339	Miscellaneous manufacturing .....	-	18	6	582	20 647	360	693	8 487	55 124	27 165	82 176	1 786
<b>WILLOWBROOK</b>													
31-33	Manufacturing .....	-	20	5	747	28 290	450	862	12 956	66 757	66 176	131 118	1 404
<b>WOOD DALE</b>													
31-33	Manufacturing .....	-	101	31	4 099	223 873	1 966	3 979	74 939	514 050	348 630	856 134	12 924
323	Printing and related support activities .....	1	17	5	540	32 537	258	410	11 839	44 594	19 605	63 164	979
3231	Printing and related support activities .....	1	17	5	540	32 537	258	410	11 839	44 594	19 605	63 164	979
32311	Printing .....	1	15	5	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	24	8	1 489	83 979	575	1 171	21 112	208 017	131 749	335 037	5 627
3339	Other general purpose machinery manufacturing .....	-	5	3	1 031	62 268	316	624	9 951	154 320	105 365	255 552	4 213
33399	All other general purpose machinery manufacturing ....	-	4	3	g	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	9	5	1 221	73 090	534	1 161	22 379	175 694	131 432	301 625	3 801
3341	Computer and peripheral equipment manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing ....	-	1	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>WOODRIDGE</b>													
31-33	Manufacturing .....	2	30	11	1 268	40 512	849	1 656	21 346	84 422	109 349	194 541	3 164

See footnotes at end of table.

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<b>WOODSTOCK</b>													
31-33	Manufacturing .....	1	69	19	3 024	113 768	2 349	4 814	76 470	260 925	184 431	440 760	40 459
323	Printing and related support activities .....	—	6	3	1 004	39 529	822	1 646	30 109	88 015	42 081	130 147	D
3231	Printing and related support activities .....	—	6	3	1 004	39 529	822	1 646	30 109	88 015	42 081	130 147	D
32311	Printing .....	—	6	3	1 004	39 529	822	1 646	30 109	88 015	42 081	130 147	D
323110	Commercial lithographic printing .....	—	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	1	9	8	716	27 936	595	1 356	20 647	70 977	47 583	115 148	8 005
3261	Plastics product manufacturing ..	1	9	8	716	27 936	595	1 356	20 647	70 977	47 583	115 148	8 005
<b>YORKVILLE</b>													
31-33	Manufacturing .....	—	18	5	f	D	D	D	D	D	D	D	D
311	Food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
<b>BALANCE OF ADAMS COUNTY</b>													
31-33	Manufacturing .....	—	37	13	2 891	124 555	1 901	3 900	74 832	353 010	534 097	889 497	31 106
311	Food manufacturing .....	—	7	4	f	D	D	D	D	D	D	D	D
3111	Animal food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing ....	—	4	3	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing .....	—	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF BOONE COUNTY</b>													
31-33	Manufacturing .....	1	39	11	755	27 588	516	1 044	16 481	67 936	39 306	106 334	D
<b>BALANCE OF BUREAU COUNTY</b>													
31-33	Manufacturing .....	3	24	13	f	D	D	D	D	D	D	D	4 963
<b>BALANCE OF CARROLL COUNTY</b>													
31-33	Manufacturing .....	—	20	7	571	17 623	444	795	11 606	83 794	90 501	160 211	D
<b>BALANCE OF CASS COUNTY</b>													
31-33	Manufacturing .....	—	6	3	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	—	3	2	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	—	3	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	—	3	2	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

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 CHAMPAIGN COUNTY</b>													
31-33	Manufacturing .....	-	46	17	2 402	90 041	1 912	3 720	64 080	495 753	584 924	1 090 459	D
311	Food manufacturing .....	-	7	2	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF CHRISTIAN COUNTY</b>													
31-33	Manufacturing .....	-	12	6	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	5	4	g	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>BALANCE OF COLES COUNTY</b>													
31-33	Manufacturing .....	-	12	4	2 203	80 899	1 910	3 813	64 812	301 735	168 928	474 837	D
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
323110	Commercial lithographic printing .....	-	3	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF COOK COUNTY</b>													
31-33	Manufacturing .....	-	188	74	10 918	520 385	6 885	13 908	283 800	1 601 843	1 786 099	3 420 905	62 885
311	Food manufacturing .....	-	10	8	2 047	77 049	1 346	2 593	49 828	206 021	177 279	388 791	7 041
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
3118	Bakeries and tortilla manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .....	-	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing .....	3	9	6	601	27 298	423	921	15 182	61 160	76 923	137 929	1 818
3222	Converted paper product manufacturing .....	3	9	6	601	27 298	423	921	15 182	61 160	76 923	137 929	1 818
323	Printing and related support activities .....	-	21	4	767	31 981	638	1 348	24 056	71 284	79 205	150 840	3 733
3231	Printing and related support activities .....	-	21	4	767	31 981	638	1 348	24 056	71 284	79 205	150 840	3 733
32311	Printing .....	-	18	4	761	31 741	634	1 342	23 905	70 810	79 059	150 220	D
325	Chemical manufacturing .....	1	17	9	626	34 139	379	703	18 745	211 941	175 614	399 429	15 534
326	Plastics and rubber products manufacturing .....	-	6	3	832	28 197	653	1 133	22 593	91 890	68 560	159 139	6 512
332	Fabricated metal product manufacturing .....	3	37	10	922	38 040	655	1 417	23 864	76 216	62 427	137 317	4 560
333	Machinery manufacturing .....	4	24	8	970	46 734	422	934	16 302	123 990	116 557	240 948	5 692
3333	Commercial and service industry machinery manufacturing .....	9	4	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	9	4	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing .....	-	7	5	559	27 380	301	530	8 380	69 035	70 633	138 722	2 040

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 COOK COUNTY —Con.</b>													
336	Transportation equipment manufacturing .....	-	4	2	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF DEKALB COUNTY</b>													
31-33	Manufacturing .....	2	38	12	f	D	D	D	D	D	D	D	5 444
<b>BALANCE OF DOUGLAS COUNTY</b>													
31-33	Manufacturing .....	1	67	10	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	10	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF DUPAGE COUNTY</b>													
31-33	Manufacturing .....	1	64	18	1 550	62 212	1 032	2 227	33 825	179 908	136 756	321 757	3 143
<b>BALANCE OF EDWARDS COUNTY</b>													
31-33	Manufacturing .....	-	6	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>BALANCE OF EFFINGHAM COUNTY</b>													
31-33	Manufacturing .....	-	25	10	1 325	41 414	1 054	1 966	28 374	106 618	133 993	240 630	13 310
321	Wood product manufacturing .....	-	7	3	f	D	D	D	D	D	D	D	D
<b>BALANCE OF GRUNDY COUNTY</b>													
31-33	Manufacturing .....	1	12	5	785	47 473	568	1 262	32 678	466 273	436 146	891 147	7 986
325	Chemical manufacturing .....	1	4	3	f	D	D	D	D	D	D	D	7 585
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF HENRY COUNTY</b>													
31-33	Manufacturing .....	-	24	6	h	D	D	D	D	D	D	D	3 335
311	Food manufacturing .....	-	7	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing .....	-	4	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing .....	-	4	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering .....	-	3	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF JEFFERSON COUNTY</b>													
31-33	Manufacturing .....	-	16	2	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing .....	-	2	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>BALANCE OF JO DAVIESS COUNTY</b>													
31-33	Manufacturing .....	-	29	10	1 250	41 673	952	1 866	27 484	143 507	204 992	348 444	6 405

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 KANE COUNTY</b>													
31-33	Manufacturing .....	2	120	35	2 733	101 503	1 980	3 988	63 391	223 705	163 610	390 094	15 744
332	Fabricated metal product manufacturing .....	-	32	9	848	34 693	633	1 267	23 725	72 644	38 955	114 373	7 360
<b>BALANCE OF KANKAKEE COUNTY</b>													
31-33	Manufacturing .....	-	46	16	1 432	51 938	1 059	2 160	29 786	171 937	255 125	427 931	D
<b>BALANCE OF LAKE COUNTY</b>													
31-33	Manufacturing .....	-	84	25	j	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	2	2	j	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing .....	-	2	2	j	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing .....	-	2	2	j	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing .....	-	2	2	j	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	6	10	2	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing .....	9	6	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing .....	9	6	1	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing .....	9	2	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF LASALLE COUNTY</b>													
31-33	Manufacturing .....	-	44	14	1 123	47 268	881	1 949	34 172	230 508	248 076	481 366	17 209
<b>BALANCE OF LAWRENCE COUNTY</b>													
31-33	Manufacturing .....	-	11	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing .....	-	2	2	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
33636	Motor vehicle seating and interior trim manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF LEE COUNTY</b>													
31-33	Manufacturing .....	-	15	8	g	D	D	D	D	D	D	D	D
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF LIVINGSTON COUNTY</b>													
31-33	Manufacturing .....	-	25	7	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	6	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF LOGAN COUNTY</b>													
31-33	Manufacturing .....	-	9	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing .....	-	2	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

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>BALANCE OF MCHENRY COUNTY</b>													
31-33	Manufacturing .....	1	127	32	4 555	176 842	3 059	5 808	98 588	415 434	488 877	903 364	24 978
325	Chemical manufacturing .....	-	4	3	540	23 965	272	586	9 784	60 993	69 593	130 011	D
332	Fabricated metal product manufacturing .....	-	28	4	617	25 556	452	687	15 327	53 895	31 819	83 734	2 501
333	Machinery manufacturing .....	-	17	5	903	35 944	586	1 222	19 021	90 490	52 733	143 034	3 387
3332	Industrial machinery manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MACOUPIN COUNTY</b>													
31-33	Manufacturing .....	1	26	6	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MADISON COUNTY</b>													
31-33	Manufacturing .....	-	37	12	g	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	-	4	4	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	2	2	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MARION COUNTY</b>													
31-33	Manufacturing .....	-	23	5	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MARSHALL COUNTY</b>													
31-33	Manufacturing .....	3	17	6	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MORGAN COUNTY</b>													
31-33	Manufacturing .....	-	6	3	f	D	D	D	D	D	D	D	D
<b>BALANCE OF MOULTRIE COUNTY</b>													
31-33	Manufacturing .....	-	10	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF OGLE COUNTY</b>													
31-33	Manufacturing .....	2	31	8	1 043	34 331	745	1 568	19 539	91 048	97 007	188 969	2 308
333	Machinery manufacturing .....	1	11	4	578	22 115	352	778	10 912	61 897	41 083	103 526	D
<b>BALANCE OF PEORIA COUNTY</b>													
31-33	Manufacturing .....	1	32	17	5 321	212 413	2 848	6 242	91 197	880 254	1 291 112	2 159 898	70 591
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 .....	-	2	2	h	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing .....	-	1	1	h	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing .....	-	1	1	h	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>BALANCE OF RANDOLPH COUNTY</b>													
31-33	Manufacturing .....	-	14	6	1 111	29 401	1 025	2 332	25 743	79 385	128 518	209 066	D
311	Food manufacturing .....	-	3	2	f	D	D	D	D	D	D	D	D
<b>BALANCE OF ROCK ISLAND COUNTY</b>													
31-33	Manufacturing .....	-	21	4	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	-	2	2	f	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF ST. CLAIR COUNTY</b>													
31-33	Manufacturing .....	-	51	25	2 686	118 461	1 891	3 701	70 461	275 066	484 215	769 670	36 413
325	Chemical manufacturing .....	-	5	4	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	3	3	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing .....	-	3	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing ....	-	3	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing .....	-	5	5	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing .....	-	2	2	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying .....	-	1	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF SANGAMON COUNTY</b>													
31-33	Manufacturing .....	7	44	11	f	D	D	D	D	D	D	D	7 580
<b>BALANCE OF STEPHENSON COUNTY</b>													
31-33	Manufacturing .....	1	21	11	1 682	77 417	1 320	2 823	59 158	170 320	268 586	441 075	5 273
326	Plastics and rubber products manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
32621	Tire manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading) .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF VERMILION COUNTY</b>													
31-33	Manufacturing .....	3	35	10	1 690	67 737	1 172	2 364	37 022	193 234	388 868	585 951	15 940
326	Plastics and rubber products manufacturing .....	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	-	12	2	f	D	D	D	D	D	D	D	D
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

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 WHITESIDE COUNTY</b>													
31-33	Manufacturing .....	1	50	20	1 972	73 858	1 441	2 885	43 910	200 200	144 632	345 784	15 089
335	Electrical equipment, appliance, and component manufacturing .....	1	5	3	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>BALANCE OF WILL COUNTY</b>													
31-33	Manufacturing .....	—	151	50	5 222	212 075	3 365	6 858	129 624	1 007 701	2 722 560	3 763 804	129 756
324	Petroleum and coal products manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	2	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing .....	—	7	4	g	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
325613	Surface active agent manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	1	20	8	812	35 370	546	1 092	17 926	69 074	43 475	112 777	1 628
3339	Other general purpose machinery manufacturing .....	—	10	5	668	28 096	439	854	13 943	57 430	35 922	93 530	D
33399	All other general purpose machinery manufacturing .....	—	8	3	f	D	D	D	D	D	D	D	D
<b>BALANCE OF WINNEBAGO COUNTY</b>													
31-33	Manufacturing .....	—	69	22	1 887	81 262	1 166	2 464	42 204	227 849	175 326	400 131	16 575
332	Fabricated metal product manufacturing .....	—	23	8	570	20 507	444	936	14 830	44 563	23 021	67 665	4 219
<b>BALANCE OF WOODFORD COUNTY</b>													
31-33	Manufacturing .....	—	33	13	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing .....	—	7	5	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing .....	—	6	4	f	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>ILLINOIS</b>	
Companies <sup>1</sup> .....	N
All establishments <sup>2</sup> .....	'16 860
Establishments with 1 to 19 employees .....	'10 938
Establishments with 20 to 99 employees .....	'4 250
Establishments with 100 employees or more .....	'1 672
All employees <sup>3</sup> .....	'741 908
Total compensation .....	\$1,000.. '37 673 721
Annual payroll .....	\$1,000.. '29 841 718
Total fringe benefits .....	\$1,000.. '7 832 003
Production workers, average for year .....	'511 269
Production workers on March 12 .....	'511 059
Production workers on May 12 .....	'516 210
Production workers on August 12 .....	'513 073
Production workers on November 12 .....	'503 649
Production worker hours .....	'1 027 433
Production worker wages .....	\$1,000.. '17 002 492
Total cost of materials .....	\$1,000.. '96 051 575
Materials, parts, containers, packaging, etc., used .....	\$1,000.. '83 687 410
Resales .....	\$1,000.. '7 452 770
Purchased fuels .....	\$1,000.. '1 250 348
Purchased electricity .....	\$1,000.. '1 691 924
Contract work .....	\$1,000.. '1 969 123
Quantity of electricity purchased for heat and power .....	1,000 kWh.. '31 866 581
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 1 984 070
Total value of shipments .....	\$1,000.. '188 365 216
Value of resales .....	\$1,000.. '10 046 653
Value added .....	\$1,000.. '91 825 126
Total inventories, beginning of year .....	\$1,000.. '19 700 162
Finished goods inventories .....	\$1,000.. '8 581 974
Work-in-process inventories .....	\$1,000.. '4 410 211
Materials and supplies inventories .....	\$1,000.. '6 707 977
Total inventories, end of year .....	\$1,000.. '19 070 002
Finished goods inventories .....	\$1,000.. '8 185 232
Work-in-process inventories .....	\$1,000.. '4 305 176
Materials and supplies inventories .....	\$1,000.. '6 579 594
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '81 581 713
Total capital expenditures (new and used) .....	\$1,000.. '5 960 080
Buildings and other structures (new and used) .....	\$1,000.. '1 079 410
Machinery and equipment (new and used) .....	\$1,000.. '4 880 670
Automobiles, trucks, etc., for highway use .....	\$1,000.. '212 576
Computers and peripheral data processing equipment .....	\$1,000.. '375 011
All other expenditures for machinery and equipment .....	\$1,000.. '4 293 083
Total retirements .....	\$1,000.. '3 702 802
Gross value of depreciable assets at end of year .....	\$1,000.. '83 838 991
Depreciation charges during year .....	\$1,000.. '5 624 013
Total rental payments .....	\$1,000.. '1 859 538
Buildings and other structures .....	\$1,000.. '1 098 131
Machinery and equipment .....	\$1,000.. 761 407

<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:

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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**

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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:

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.

### **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**

This U.S. 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.

### **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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### ILLINOIS

**Algonquin** is in Kane and McHenry Counties.

**Amboy** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Lee County.

**Arlington Heights** is in Cook and Lake Counties.

**Aurora** is in DuPage, Kane, Kendall, and Will Counties.

**Barrington** is in Cook and Lake Counties.

**Barrington Hills** is in Cook, Kane, Lake, and McHenry Counties.

**Bartlett** is in Cook, DuPage, and Kane Counties.

**Batavia** is in DuPage and Kane Counties.

**Bedford Park** does not qualify as a place for the economic census based on its 2002 population, but is included because of its dense concentration of economic activity.

**Bensenville** is in Cook and DuPage Counties.

**Bolingbrook** is in DuPage and Will Counties.

**Buffalo Grove** is in Cook and Lake Counties.

**Burr Ridge** is in Cook and DuPage Counties.

**Casey** is in Clark and Cumberland Counties.

**Centralia** is in Clinton, Jefferson, Marion, and Washington Counties; it annexed into Jefferson County in July 1999.

**Channahon** is in Grundy and Will Counties.

**Chicago** is in Cook and DuPage Counties.

**Coal City** is in Grundy and Will Counties.

**Coal Valley** is in Henry and Rock Island Counties.

**Collinsville** is in Madison and St. Clair Counties.

**Columbia** is in Monroe and St. Clair Counties.

**Deerfield** is in Cook and Lake Counties.

**Deer Park** is in Cook and Lake Counties; it annexed into Cook County in January 1996, but this change was not submitted to the Census Bureau until September 1998. This change deletes territory from the Balance of Cook County.

**Dwight** is in Grundy and Livingston Counties.

**East Dundee** is in Cook and Kane Counties.

**Elburn** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Kane County.

**Elgin** is in Cook and Kane Counties.

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**Elk Grove Village** is in Cook and DuPage Counties.

**Elmhurst** is in Cook and DuPage Counties.

**El Paso** is in McLean and Woodford Counties; it is now tabulated separately due to a population increase. This change deletes territory from the Balances of McLean and Woodford Counties.

**Fox Lake** is in Lake and McHenry Counties.

**Fox River Grove** is in Lake and McHenry Counties.

**Frankfort** is in Cook and Will Counties; it annexed into Cook County in December 1997. This change deletes territory from the Balance of Cook County.

**Green Oaks** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Lake County.

**Hampshire** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Kane County.

**Hanover Park** is in Cook and DuPage Counties.

**Hinsdale** is in Cook and DuPage Counties.

**Hoffman Estates** is in Cook and Kane Counties.

**Homer Glen** incorporated in April 2001. This change deletes territory from the Balance of Will County.

**Huntley** is in Kane and McHenry Counties.

**Island Lake** is in Lake and McHenry Counties.

**Joliet** is in Kendall and Will Counties.

**Lakemoor** is in Lake and McHenry Counties; it is now tabulated separately due to a population increase. This change deletes territory from the Balances of Lake and McHenry Counties.

**LaSalle** name corrected from La Salle in June 2002.

**Lemont** is in Cook, DuPage, and Will Counties.

**Loves Park** is in Boone and Winnebago Counties; it annexed into Boone County in March 1996, but this change was not submitted to the Census Bureau until November 1997. This change deletes territory from the Balance of Boone County.

**Madison** is in Madison and St. Clair Counties.

**Marion** is in Johnson and Williamson Counties.

**Matteson** is in Cook and Will Counties.

**Minooka** is in Grundy, Kendall, and Will Counties; it annexed into Kendall County in April 1999. This change deletes territory from the Balance of Kendall County.

**Monee** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Will County.

**Montgomery** is in Kane and Kendall Counties.

**Naperville** is in DuPage and Will Counties.

**New Baden** is in Clinton and St. Clair Counties.

**Nokomis** is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Montgomery County.

**North Barrington** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Lake County.

**Oak Brook** is in Cook and DuPage Counties.

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**Orland Park** is in Cook and Will Counties.

**Park Forest** is in Cook and Will Counties.

**Pawnee** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Sangamon County.

**Pekin** is in Peoria and Tazewell Counties.

**Peoria Heights** is in Peoria, Tazewell, and Woodford Counties.

**Polo** is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Ogle County.

**Roscoe** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Winnebago County.

**Roselle** is in Cook and DuPage Counties.

**St. Charles** is in DuPage and Kane Counties.

**St. Joseph** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Champaign County.

**Sandwich** is in DeKalb and Kendall Counties.

**Sauk Village** is in Cook and Will Counties.

**Schaumburg** is in Cook and DuPage Counties.

**Steger** is in Cook and Will Counties.

**Streator** is in LaSalle and Livingston Counties.

**Tinley Park** is in Cook and Will Counties.

**University Park** is in Cook and Will Counties.

**Virden** is in Macoupin and Sangamon Counties.

**Wheeling** is in Cook and Lake Counties.

**Winnebago** is now tabulated separately due to a population increase. This change deletes territory from the Balance of Winnebago County.

**Woodridge** is in Cook, DuPage, and Will Counties.

**Balance of Boone County** lost territory due to the annexation of Loves Park into the county.

**Balance of Champaign County** no longer includes St. Joseph, which is tabulated separately due to a population increase.

**Balance of Cook County** lost territory due to the annexation of Deer Park and Frankfort into the county.

**Balance of Jefferson County** lost territory due to the annexation of Centralia into the county.

**Balance of Kane County** no longer includes Elburn and Hampshire, which are tabulated separately due to a population increase.

**Balance of Kendall County** lost territory due to the annexation of Minooka into the county.

**Balance of Lake County** no longer includes Green Oaks, Lakemoor (part), and North Barrington, which are tabulated separately due to a population increase.

**Balance of Lee County** no longer includes Amboy, which is tabulated separately due to a population increase.

**Balance of McHenry County** no longer includes Lakemoor (part), which is tabulated separately due to a population increase.

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**Balance of McLean County** no longer includes El Paso (part), which is tabulated separately due to a population increase.

**Balance of Montgomery County** includes Nokomis, which is no longer tabulated separately due to a population decrease.

**Balance of Ogle County** includes Polo, which is no longer tabulated separately due to a population decrease.

**Balance of Sangamon County** no longer includes Pawnee, which is tabulated separately due to a population increase.

**Balance of Will County** lost territory due to the incorporation of Homer Glen and no longer includes Monee, which is tabulated separately due to a population increase.

**Balance of Winnebago County** no longer includes Roscoe and Winnebago, which are tabulated separately due to a population increase.

**Balance of Woodford County** no longer includes El Paso (part), which is tabulated separately due to a population increase.

# Appendix E.

## Metropolitan and Micropolitan Statistical Areas

### **CAPE GIRARDEAU-SIKESTON-JACKSON, MO-IL COMBINED STATISTICAL AREA**

#### **Cape Girardeau-Jackson, MO-IL Micropolitan Statistical Area**

Alexander County, IL

Bollinger County, MO

Cape Girardeau County, MO

#### **Sikeston, MO Micropolitan Statistical Area**

Scott County, MO

### **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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**PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA**

**Mayfield, KY Micropolitan Statistical Area**

Graves County, KY

**Paducah, KY-IL Micropolitan Statistical Area**

Massac County, IL

Ballard County, KY

Livingston County, KY

McCracken County, KY

**PEORIA-CANTON, IL COMBINED STATISTICAL AREA**

**Canton, IL Micropolitan Statistical Area**

Fulton County, IL

**Peoria, IL Metropolitan Statistical Area**

Marshall County, IL

Peoria County, IL

Stark County, IL

Tazewell County, IL

Woodford County, IL

**ROCKFORD-FREEPORT-ROCHELLE, IL COMBINED STATISTICAL AREA**

**Freeport, IL Micropolitan Statistical Area**

Stephenson County, IL

**Rochelle, IL Micropolitan Statistical Area**

Ogle County, IL

**Rockford, IL Metropolitan Statistical Area**

Boone County, IL

Winnebago County, IL

**ST. LOUIS-ST. CHARLES-FARMINGTON, MO-IL COMBINED STATISTICAL AREA**

**Farmington, MO Micropolitan Statistical Area**

St. Francois County, MO

**St. Louis, MO-IL Metropolitan Statistical Area**

Bond County, IL

Calhoun County, IL

Clinton County, IL

Jersey County, IL

Macoupin County, IL

Madison County, IL

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Monroe County, IL  
St. Clair County, IL  
Franklin County, MO  
Jefferson County, MO  
Lincoln County, MO  
St. Charles County, MO  
St. Louis County, MO  
Warren County, MO  
Washington County, MO  
St. Louis (IC), MO

**BLOOMINGTON-NORMAL, IL METROPOLITAN STATISTICAL AREA**

McLean County, IL

**BURLINGTON, IA-IL MICROPOLITAN STATISTICAL AREA**

Henderson County, IL  
Des Moines County, IA

**CARBONDALE, IL MICROPOLITAN STATISTICAL AREA**

Jackson County, IL

**CENTRALIA, IL MICROPOLITAN STATISTICAL AREA**

Marion County, IL

**CHAMPAIGN-URBANA, IL METROPOLITAN STATISTICAL AREA**

Champaign County, IL  
Ford County, IL  
Piatt County, IL

**CHARLESTON-MATTOON, IL MICROPOLITAN STATISTICAL AREA**

Coles County, IL  
Cumberland County, IL

**DANVILLE, IL METROPOLITAN STATISTICAL AREA**

Vermilion County, IL

**DAVENPORT-MOLINE-ROCK ISLAND, IA-IL METROPOLITAN STATISTICAL AREA**

Henry County, IL  
Mercer County, IL  
Rock Island County, IL  
Scott County, IA

**DECATUR, IL METROPOLITAN STATISTICAL AREA**

Macon County, IL

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**DIXON, IL MICROPOLITAN STATISTICAL AREA**

Lee County, IL

**EFFINGHAM, IL MICROPOLITAN STATISTICAL AREA**

Effingham County, IL

**GALESBURG, IL MICROPOLITAN STATISTICAL AREA**

Knox County, IL

Warren County, IL

**HARRISBURG, IL MICROPOLITAN STATISTICAL AREA**

Saline County, IL

**JACKSONVILLE, IL MICROPOLITAN STATISTICAL AREA**

Morgan County, IL

Scott County, IL

**LINCOLN, IL MICROPOLITAN STATISTICAL AREA**

Logan County, IL

**MACOMB, IL MICROPOLITAN STATISTICAL AREA**

McDonough County, IL

**MARION-HERRIN, IL MICROPOLITAN STATISTICAL AREA**

Williamson County, IL

**MOUNT VERNON, IL MICROPOLITAN STATISTICAL AREA**

Hamilton County, IL

Jefferson County, IL

**OTTAWA-STREATOR, IL MICROPOLITAN STATISTICAL AREA**

Bureau County, IL

LaSalle County, IL

Putnam County, IL

**PONTIAC, IL MICROPOLITAN STATISTICAL AREA**

Livingston County, IL

**QUINCY, IL-MO MICROPOLITAN STATISTICAL AREA**

Adams County, IL

Lewis County, MO

**SPRINGFIELD, IL METROPOLITAN STATISTICAL AREA**

Menard County, IL

Sangamon County, IL

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**STERLING, IL MICROPOLITAN STATISTICAL AREA**

Whiteside County, IL

**TAYLORVILLE, IL MICROPOLITAN STATISTICAL AREA**

Christian County, IL

