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2002 Economic Census

Manufacturing

Geographic Area Series



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Introduction to the Economic Census

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).

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) 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

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. 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.

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Manufacturing

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

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.

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.

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. 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.

-
- 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.

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.

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.

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

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO													
31-33	Manufacturing	-	17 494	6 259	868 732	35 301 070	639 821	1 272 072	23 198 051	113 243 351	130 639 775	243 903 865	7 427 634
311	Food manufacturing	-	994	305	53 003	1 787 032	38 733	76 914	1 188 456	10 185 843	9 239 825	19 431 699	531 240
3111	Animal food manufacturing	1	66	22	2 541	119 357	1 821	3 779	80 229	653 111	761 365	1 410 156	37 056
31111	Animal food manufacturing	1	66	22	2 541	119 357	1 821	3 779	80 229	653 111	761 365	1 410 156	37 056
311111	Dog and cat food manufacturing	-	10	8	1 347	71 785	1 113	2 533	57 012	498 405	344 857	841 069	28 643
311119	Other animal food manufacturing	2	56	14	1 194	47 572	708	1 246	23 217	154 706	416 508	569 087	8 413
3112	Grain and oilseed milling	-	32	23	3 046	145 729	2 108	4 360	96 772	1 183 337	1 677 683	2 868 993	46 126
31121	Flour milling and malt manufacturing	-	14	8	e	D	D	D	D	D	D	D	D
311211	Flour milling	-	14	8	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	-	15	12	1 546	68 577	976	2 210	42 189	364 487	1 274 448	1 645 807	24 275
311221	Wet corn milling	-	2	1	c	D	D	D	D	D	D	D	D
311222	Soybean processing	-	7	6	405	17 612	275	608	11 163	158 539	545 683	707 264	D
311225	Fats and oils refining and blending	1	5	4	f	D	D	D	D	D	D	D	12 447
31123	Breakfast cereal manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	4	83	12	g	D	D	D	D	D	D	D	D
31131	Sugar manufacturing	8	4	2	c	D	D	D	D	D	D	D	874
311313	Beet sugar manufacturing ...	8	3	2	110	3 817	77	154	2 159	17 652	49 664	66 803	D
31133	Confectionery manufacturing from purchased chocolate ...	4	50	7	904	22 398	702	1 290	15 215	58 554	30 322	89 283	1 401
311330	Confectionery manufacturing from purchased chocolate ..	4	50	7	904	22 398	702	1 290	15 215	58 554	30 322	89 283	1 401
31134	Nonchocolate confectionery manufacturing	1	20	3	479	15 869	258	465	6 369	44 161	29 988	73 488	D
311340	Nonchocolate confectionery manufacturing	1	20	3	479	15 869	258	465	6 369	44 161	29 988	73 488	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	66	38	10 866	353 391	9 126	19 347	269 055	3 188 156	1 798 644	4 987 587	132 897
31141	Frozen food manufacturing	-	28	19	7 257	207 491	6 013	12 908	149 676	1 474 719	933 335	2 407 708	58 336
311411	Frozen fruit, juice, and vegetable manufacturing ...	4	3	3	152	4 193	135	254	3 071	12 897	12 389	25 286	1 741
311412	Frozen specialty food manufacturing	-	25	16	7 105	203 298	5 878	12 654	146 605	1 461 822	920 946	2 382 422	56 595
31142	Fruit and vegetable canning, pickling, and drying	-	38	19	3 609	145 900	3 113	6 439	119 379	1 713 437	865 309	2 579 879	74 561
311421	Fruit and vegetable canning ...	-	31	16	g	D	D	D	D	D	D	D	D
311422	Specialty canning	-	6	3	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	62	38	5 924	211 171	4 012	7 799	128 990	1 048 709	1 389 429	2 444 610	60 211
31151	Dairy product (except frozen) manufacturing	-	48	32	4 486	176 691	2 846	6 048	103 331	982 788	1 263 252	2 254 365	56 744
311511	Fluid milk manufacturing	-	26	19	2 885	114 264	1 704	3 571	61 929	666 552	815 929	1 483 572	29 991
311513	Cheese manufacturing	1	18	11	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	-	14	6	1 438	34 480	1 166	1 751	25 659	65 921	126 177	190 245	3 467
311520	Ice cream and frozen dessert manufacturing	-	14	6	1 438	34 480	1 166	1 751	25 659	65 921	126 177	190 245	3 467
3116	Animal slaughtering and processing	1	141	42	7 199	206 637	6 075	12 719	158 441	538 637	1 319 283	1 857 842	97 450
31161	Animal slaughtering and processing	1	141	42	7 199	206 637	6 075	12 719	158 441	538 637	1 319 283	1 857 842	97 450
311611	Animal (except poultry) slaughtering	4	68	15	1 486	44 826	1 272	2 518	35 709	100 221	247 512	345 164	5 543
311612	Meat processed from carcasses	-	54	20	4 309	123 115	3 592	7 517	92 810	358 873	946 694	1 308 280	85 931
311613	Rendering and meat byproduct processing	3	6	2	165	6 394	90	177	3 080	17 496	10 335	27 810	2 211
311615	Poultry processing	-	13	5	1 239	32 302	1 121	2 507	26 842	62 047	114 742	176 588	3 765
3118	Bakeries and tortilla manufacturing	2	404	74	14 015	446 359	8 973	15 844	269 224	1 646 345	921 219	2 570 147	71 815
31181	Bread and bakery product manufacturing	-	370	58	10 264	315 546	5 652	9 260	160 191	835 375	477 145	1 318 599	27 283
311811	Retail bakeries	4	288	17	2 106	32 005	1 102	1 528	17 390	65 082	29 319	94 427	3 335
311812	Commercial bakeries	-	74	36	7 753	271 862	4 260	7 148	137 222	738 798	413 059	1 157 432	22 389
311813	Frozen cakes, pies, and other pastries manufacturing	5	8	5	405	11 679	290	584	5 579	31 495	34 767	66 740	1 559
31182	Cookie, cracker, and pasta manufacturing	3	31	15	3 692	129 709	3 273	6 471	108 070	808 027	442 245	1 246 882	44 435
311821	Cookie and cracker manufacturing	3	13	8	3 108	108 239	2 820	5 531	92 318	728 095	272 066	1 000 207	12 677
311822	Flour mixes and dough manufacturing from purchased flour	1	9	6	514	19 008	410	843	14 283	71 984	161 661	230 617	31 584

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
311	Food manufacturing—Con.												
3119	Other food manufacturing	1	138	56	7 867	260 125	5 550	11 093	161 028	1 799 640	1 251 615	3 044 856	78 838
31191	Snack food manufacturing	—	30	16	2 123	70 277	1 361	2 657	35 520	360 319	205 231	564 037	37 252
311911	Roasted nuts and peanut butter manufacturing	3	8	2	170	6 869	119	259	3 499	40 581	30 683	70 691	1 496
311919	Other snack food manufacturing	—	22	14	1 953	63 408	1 242	2 398	32 021	319 738	174 548	493 346	35 756
31193	Flavoring syrup and concentrate manufacturing ...	1	7	4	e	D	D	D	D	D	D	D	D
311930	Flavoring syrup and concentrate manufacturing .	1	7	4	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	—	23	13	2 304	81 346	1 643	3 303	51 650	379 533	405 104	782 182	14 955
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	—	11	5	1 510	47 567	1 198	2 373	35 199	207 741	266 487	474 234	9 742
311942	Spice and extract manufacturing	1	12	8	794	33 779	445	930	16 451	171 792	138 617	307 948	5 213
31199	All other food manufacturing ...	3	73	22	2 966	89 599	2 201	4 474	60 089	357 759	503 186	858 436	21 223
311991	Perishable prepared food manufacturing	7	14	8	964	31 669	709	1 264	18 138	114 165	95 442	207 166	3 755
311999	All other miscellaneous food manufacturing	1	59	14	2 002	57 930	1 492	3 210	41 951	243 594	407 744	651 270	17 468
312	Beverage and tobacco product manufacturing	3	70	29	6 015	237 603	3 612	7 263	132 721	1 798 423	2 033 909	3 844 417	86 613
3121	Beverage manufacturing	3	70	29	6 015	237 603	3 612	7 263	132 721	1 798 423	2 033 909	3 844 417	86 613
31211	Soft drink and ice manufacturing	3	39	22	3 641	126 990	1 832	3 716	58 150	794 430	1 133 449	1 937 822	26 372
312111	Soft drink manufacturing ...	3	20	16	3 341	119 759	1 695	3 506	55 717	766 187	1 126 802	1 903 045	25 213
312113	Ice manufacturing	—	11	6	252	5 944	107	154	1 666	23 208	3 828	26 954	577
31212	Breweries	4	9	4	1 995	96 229	1 577	3 119	67 866	850 499	842 773	1 695 182	D
312120	Breweries	4	9	4	1 995	96 229	1 577	3 119	67 866	850 499	842 773	1 695 182	D
31213	Wineries	3	19	1	c	D	D	D	D	D	D	D	750
312130	Wineries	3	19	1	c	D	D	D	D	D	D	D	750
31214	Distilleries	—	3	2	e	D	D	D	D	D	D	D	D
312140	Distilleries	—	3	2	e	D	D	D	D	D	D	D	D
313	Textile mills	1	83	21	2 237	80 273	1 697	3 570	50 029	192 647	183 085	375 644	9 390
3132	Fabric mills	1	40	10	1 092	34 384	867	1 797	24 781	97 338	58 415	156 540	4 767
31321	Broadwoven fabric mills	2	14	2	193	5 713	141	167	2 657	16 321	4 976	21 383	231
313210	Broadwoven fabric mills	2	14	2	193	5 713	141	167	2 657	16 321	4 976	21 383	231
31322	Narrow fabric mills and schiffli machine embroidery	1	17	2	301	8 837	189	428	4 990	19 701	16 146	35 217	D
313221	Narrow fabric mills	—	7	2	268	8 055	171	394	4 613	18 119	15 419	32 900	D
31323	Nonwoven fabric mills	1	8	6	f	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	1	8	6	f	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	—	38	11	1 127	45 501	815	1 744	24 942	94 477	123 462	217 064	4 594
31331	Textile and fabric finishing mills	5	24	1	138	4 101	104	191	2 427	9 134	9 201	17 735	756
313311	Broadwoven fabric finishing mills	5	21	1	c	D	D	D	D	D	D	D	D
31332	Fabric coating mills	—	14	10	989	41 400	711	1 553	22 515	85 343	114 261	199 329	3 838
313320	Fabric coating mills	—	14	10	989	41 400	711	1 553	22 515	85 343	114 261	199 329	3 838
314	Textile product mills	2	251	48	4 221	100 305	3 449	6 308	68 137	244 118	245 242	485 803	5 970
3141	Textile furnishings mills	1	89	12	1 479	35 117	1 231	2 347	25 533	95 592	137 958	234 369	1 573
31412	Curtain and linen mills	—	85	11	g	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills ...	2	65	5	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	20	6	932	23 751	789	1 532	18 163	71 646	108 363	180 926	1 046
3149	Other textile product mills	2	162	36	2 742	65 188	2 218	3 961	42 604	148 526	107 284	251 434	4 397
31491	Textile bag and canvas mills ...	5	76	15	837	23 833	601	1 129	13 627	38 505	31 466	71 137	1 545
314911	Textile bag mills	3	7	3	180	5 883	139	279	2 872	9 159	7 115	17 079	155
314912	Canvas and related product mills	5	69	12	657	17 950	462	850	10 755	29 346	24 351	54 058	1 390
31499	All other textile product mills ...	1	86	21	1 905	41 355	1 617	2 832	28 977	110 021	75 818	180 297	2 852
314991	Rope, cordage, and twine mills	2	5	1	c	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	1	79	19	1 708	37 550	1 460	2 615	27 052	105 243	66 012	166 617	D
315	Apparel manufacturing	1	122	23	2 087	49 364	1 703	3 203	33 439	135 667	150 437	292 274	D
3152	Cut and sew apparel manufacturing	1	95	21	1 920	45 507	1 567	2 936	30 822	129 712	144 814	280 703	D
31521	Cut and sew apparel contractors	6	58	2	304	4 654	272	451	3 738	8 064	1 216	9 496	102
315212	Women's, girls', and infants' cut and sew apparel contractors	7	44	1	220	3 318	195	327	2 623	5 125	1 038	6 186	32

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	OHIO—Con.												
315	Apparel manufacturing—Con.												
3152	Cut and sew apparel manufacturing—Con.												
31522	Men's and boys' cut and sew apparel manufacturing	—	18	11	1 176	29 758	967	1 902	20 948	98 199	116 186	219 558	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	—	2	2	c	D	D	D	D	D	D	D	D
315228	Men's and boys' cut and sew other outerwear manufacturing	—	8	6	466	10 332	415	747	7 784	45 195	30 493	68 293	D
31523	Women's and girls' cut and sew apparel manufacturing	7	13	5	258	7 524	179	326	3 604	17 521	24 937	43 377	D
31529	Other cut and sew apparel manufacturing	—	6	3	182	3 571	149	257	2 532	5 928	2 475	8 272	D
315299	All other cut and sew apparel manufacturing	—	6	3	182	3 571	149	257	2 532	5 928	2 475	8 272	D
3159	Apparel accessories and other apparel manufacturing	4	26	1	c	D	D	D	D	D	D	D	109
31599	Apparel accessories and other apparel manufacturing	4	26	1	c	D	D	D	D	D	D	D	109
316	Leather and allied product manufacturing	—	29	9	1 244	26 286	963	1 768	16 069	59 884	84 714	144 106	D
3169	Other leather and allied product manufacturing	1	23	8	1 173	24 437	912	1 669	15 057	53 075	69 585	121 930	D
31699	Other leather and allied product manufacturing	1	23	8	1 173	24 437	912	1 669	15 057	53 075	69 585	121 930	D
316991	Luggage manufacturing	2	7	3	205	4 948	177	312	3 419	10 277	2 979	13 325	47
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	1	6	1	128	2 139	92	145	1 196	6 712	5 848	13 164	D
316999	All other leather goods manufacturing	—	10	4	840	17 350	643	1 212	10 442	36 086	60 758	95 441	D
321	Wood product manufacturing	1	'684	201	'17 121	'491 936	'14 497	'28 100	'385 465	'1 271 047	'1 261 252	'2 511 337	'74 327
3211	Sawmills and wood preservation .	2	143	26	1 910	52 123	1 650	3 208	41 281	135 191	230 389	361 606	8 866
32111	Sawmills and wood preservation	2	143	26	1 910	52 123	1 650	3 208	41 281	135 191	230 389	361 606	8 866
321113	Sawmills	2	121	22	1 738	46 457	1 533	2 992	38 436	118 452	162 779	280 023	7 480
321114	Wood preservation	1	22	4	172	5 666	117	216	2 845	16 739	67 610	81 583	1 386
3212	Veneer, plywood, and engineered wood product manufacturing	—	50	31	2 525	75 451	1 903	3 962	46 881	170 688	210 770	375 143	15 832
32121	Veneer, plywood, and engineered wood product manufacturing	—	50	31	2 525	75 451	1 903	3 962	46 881	170 688	210 770	375 143	15 832
321211	Hardwood veneer and plywood manufacturing	—	7	3	612	18 423	506	964	13 795	42 295	53 109	92 057	D
321214	Truss manufacturing	—	37	25	1 502	43 633	1 123	2 447	26 108	89 423	77 179	162 635	4 002
321219	Reconstituted wood product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	1	'491	144	'12 686	'364 362	'10 944	'20 930	'297 303	'965 168	'820 093	'1 774 588	'49 629
32191	Millwork	1	'161	58	'3 688	'99 231	'3 012	'5 930	'72 426	'243 077	'332 838	'575 810	'12 645
321911	Wood window and door manufacturing	2	39	19	1 040	26 615	805	1 645	17 559	75 680	94 433	166 080	2 753
321912	Cut stock, resawing lumber, and planing	—	'41	'15	'1 057	'28 369	'924	'1 823	'22 705	'75 316	'99 300	'176 188	'1 990
321918	Other millwork (including flooring)	1	'81	'24	'1 591	'44 247	'1 283	'2 462	'32 162	'92 081	'139 105	'233 542	'7 902
32192	Wood container and pallet manufacturing	2	205	49	3 095	67 957	2 567	4 536	50 203	156 917	162 674	319 682	8 631
321920	Wood container and pallet manufacturing	2	205	49	3 095	67 957	2 567	4 536	50 203	156 917	162 674	319 682	8 631
32199	All other wood product manufacturing	—	125	37	5 903	197 174	5 365	10 464	174 674	565 174	324 581	879 096	28 353
321991	Manufactured home (mobile home) manufacturing	—	10	5	442	13 476	360	702	9 219	32 230	41 155	73 754	1 126
321992	Prefabricated wood building manufacturing	—	22	9	715	23 442	521	1 067	15 284	56 385	72 312	127 852	4 623
321999	All other miscellaneous wood product manufacturing	—	93	23	4 746	160 256	4 484	8 695	150 171	476 559	211 114	677 490	22 604
322	Paper manufacturing	—	362	236	25 719	1 051 548	19 279	40 650	671 149	3 321 250	3 612 703	6 936 776	167 883
3221	Pulp, paper, and paperboard mills	—	27	25	4 766	245 265	3 575	8 054	166 638	1 074 217	641 351	1 725 575	42 758
32212	Paper mills	—	12	10	3 279	174 458	2 421	5 481	116 569	825 432	448 833	1 283 027	31 019
322121	Paper (except newsprint) mills	—	12	10	3 279	174 458	2 421	5 481	116 569	825 432	448 833	1 283 027	31 019
32213	Paperboard mills	—	12	12	1 402	68 327	1 094	2 449	48 575	244 231	187 082	432 202	D
322130	Paperboard mills	—	12	12	1 402	68 327	1 094	2 449	48 575	244 231	187 082	432 202	D

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OHIO—Con.													
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing	—	335	211	20 953	806 283	15 704	32 596	504 511	2 247 033	2 971 352	5 211 201	125 125
32221	Paperboard container manufacturing	—	201	136	12 390	469 529	9 396	19 542	297 824	1 202 291	1 727 449	2 925 103	72 677
322211	Corrugated and solid fiber box manufacturing	1	130	87	7 682	302 767	5 574	12 016	179 242	747 604	1 207 651	1 957 862	43 566
322212	Folding paperboard box manufacturing	—	36	24	2 806	107 985	2 236	4 627	74 687	286 062	332 473	614 367	20 108
322213	Setup paperboard box manufacturing	—	8	7	411	10 708	315	528	6 149	23 535	10 226	33 814	3 586
322214	Fiber can, tube, drum, and similar products manufacturing	—	24	15	859	29 312	720	1 384	22 822	85 854	110 711	196 495	D
322215	Nonfolding sanitary food container manufacturing ...	—	3	3	632	18 757	551	987	14 924	59 236	66 388	122 565	D
32222	Paper bag and coated and treated paper manufacturing ..	—	61	38	4 381	207 341	2 945	6 285	119 655	691 341	712 169	1 407 005	25 906
322221	Coated and laminated packaging paper and plastics film manufacturing .	—	8	3	223	9 410	165	385	6 302	22 241	39 649	63 281	1 340
322222	Coated and laminated paper manufacturing	—	39	29	3 298	166 875	2 092	4 389	91 392	588 203	557 775	1 142 674	19 336
322224	Uncoated paper and multiwall bag manufacturing	1	6	3	613	20 574	486	1 053	13 823	47 981	51 584	98 158	4 420
322225	Laminated aluminum foil manufacturing for flexible packaging uses	—	2	2	c	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing	1	4	1	c	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	—	30	17	1 963	56 346	1 657	3 372	41 726	135 724	263 668	397 326	12 310
322231	Die-cut paper and paperboard office supplies manufacturing	—	15	9	1 081	30 490	930	1 845	22 522	82 034	207 748	287 187	5 924
322232	Envelope manufacturing ...	1	9	6	710	22 102	576	1 194	16 349	43 755	50 969	94 727	D
322233	Stationery, tablet, and related product manufacturing	—	6	2	172	3 754	151	333	2 855	9 935	4 951	15 412	D
32229	Other converted paper product manufacturing	1	43	20	2 219	73 067	1 706	3 397	45 306	217 677	268 066	481 767	14 232
322291	Sanitary paper product manufacturing	4	5	3	530	17 317	423	861	12 705	92 819	86 087	177 644	2 082
322299	All other converted paper product manufacturing	—	38	17	1 689	55 750	1 283	2 536	32 601	124 858	181 979	304 123	12 150
323	Printing and related support activities	1	1 590	364	35 047	1 254 302	24 564	47 556	769 798	'2 990 135	'1 718 664	4 712 739	189 195
3231	Printing and related support activities	1	1 590	364	35 047	1 254 302	24 564	47 556	769 798	'2 990 135	'1 718 664	4 712 739	189 195
32311	Printing	1	1 453	334	32 967	1 172 989	23 095	44 739	721 033	'2 829 020	'1 682 177	4 515 094	178 923
323110	Commercial lithographic printing	1	689	200	18 520	668 908	13 256	25 776	425 058	1 366 804	918 870	2 291 054	113 762
323111	Commercial gravure printing ..	2	12	1	155	7 585	104	207	4 284	19 124	11 849	30 710	D
323112	Commercial flexographic printing	—	58	29	3 075	129 017	1 696	3 288	56 760	343 225	284 998	628 087	14 543
323113	Commercial screen printing ..	2	182	33	2 904	85 395	1 983	3 745	46 988	170 022	101 422	270 172	10 949
323114	Quick printing	4	303	13	1 355	38 180	815	1 398	20 944	85 316	34 412	119 534	D
323115	Digital printing	1	34	7	769	25 628	572	972	18 396	49 512	17 565	67 603	3 832
323116	Manifold business forms printing	4	35	21	2 050	66 432	1 518	3 048	46 852	'396 281	'129 296	524 795	12 637
323117	Books printing	—	21	9	2 394	89 862	1 998	4 033	67 778	225 009	109 576	334 331	10 708
323118	Blankbook, looseleaf binders, and devices manufacturing .	—	13	6	481	19 453	306	624	9 781	94 854	28 630	124 005	1 169
323119	Other commercial printing ...	3	106	15	1 264	42 529	847	1 648	24 192	78 873	45 559	124 803	4 134
32312	Support activities for printing ...	1	137	30	2 080	81 313	1 469	2 817	48 765	161 115	36 487	197 645	10 272
323121	Tradebinding and related work	1	37	11	746	19 363	613	1 239	13 906	35 897	11 095	47 157	1 252
323122	Prepress services	1	100	19	1 334	61 950	856	1 578	34 859	125 218	25 392	150 488	9 020
324	Petroleum and coal products manufacturing	—	179	35	4 925	271 150	3 235	6 764	164 599	1 510 897	7 103 820	8 445 759	114 337
3241	Petroleum and coal products manufacturing	—	179	35	4 925	271 150	3 235	6 764	164 599	1 510 897	7 103 820	8 445 759	114 337
32411	Petroleum refineries	—	7	4	1 707	121 582	973	2 290	70 419	868 547	6 089 232	6 800 322	79 137
324110	Petroleum refineries	—	7	4	1 707	121 582	973	2 290	70 419	868 547	6 089 232	6 800 322	79 137
32412	Asphalt paving, roofing, and saturated materials manufacturing	1	134	21	1 930	83 156	1 551	3 214	64 084	400 765	652 570	1 038 965	24 533
324121	Asphalt paving mixture and block manufacturing	2	119	14	1 078	43 783	875	1 659	33 923	208 687	312 094	514 534	18 754
324122	Asphalt shingle and coating materials manufacturing ...	—	15	7	852	39 373	676	1 555	30 161	192 078	340 476	524 431	5 779
32419	Other petroleum and coal products manufacturing	1	38	10	1 288	66 412	711	1 260	30 096	241 585	362 018	606 472	10 667
324191	Petroleum lubricating oil and grease manufacturing	1	35	9	1 206	63 619	671	1 183	28 918	230 560	349 702	583 143	D
325	Chemical manufacturing	—	727	353	41 361	2 020 478	25 864	52 635	1 117 847	11 072 521	10 108 508	21 142 905	829 588
3251	Basic chemical manufacturing ...	—	144	68	8 764	488 425	5 900	12 958	317 569	1 660 320	2 078 876	3 768 995	148 414
32512	Industrial gas manufacturing ...	—	35	12	637	29 307	298	548	13 265	198 094	93 091	290 323	36 425
325120	Industrial gas manufacturing .	—	35	12	637	29 307	298	548	13 265	198 094	93 091	290 323	36 425

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
325	Chemical manufacturing—Con.												
3251	Basic chemical manufacturing—Con.												
32513	Synthetic dye and pigment manufacturing	—	20	9	g	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	—	9	4	f	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	1	11	5	912	48 143	538	1 161	25 409	115 053	205 833	321 024	8 616
32518	Other basic inorganic chemical manufacturing	—	48	20	3 462	204 592	2 711	6 113	155 758	606 599	584 965	1 207 296	37 954
325181	Alkalies and chlorine manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
325182	Carbon black manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	—	43	16	2 887	174 176	2 312	5 376	135 959	498 650	382 894	900 132	27 415
32519	Other basic organic chemical manufacturing	—	41	27	h	D	D	D	D	D	D	D	D
325192	Cyclic crude and intermediate manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	1	37	25	2 675	140 531	1 704	3 717	84 462	469 605	719 180	1 200 202	41 969
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	65	46	5 406	273 175	3 766	7 228	167 807	1 053 150	1 849 784	2 887 724	70 101
32521	Resin and synthetic rubber manufacturing	—	63	46	i	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	56	43	h	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	—	26	15	1 431	69 071	819	1 853	35 856	302 094	438 644	755 273	29 055
32531	Fertilizer manufacturing	—	23	12	g	D	D	D	D	D	D	D	23 346
325311	Nitrogenous fertilizer manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	—	19	10	886	39 660	524	1 125	22 118	203 178	290 124	508 384	D
32532	Pesticide and other agricultural chemical manufacturing	—	3	3	e	D	D	D	D	D	D	D	5 709
325320	Pesticide and other agricultural chemical manufacturing	—	3	3	e	D	D	D	D	D	D	D	5 709
3254	Pharmaceutical and medicine manufacturing	1	36	13	2 545	131 910	1 722	3 485	79 118	690 729	606 859	1 278 326	53 323
32541	Pharmaceutical and medicine manufacturing	1	36	13	2 545	131 910	1 722	3 485	79 118	690 729	606 859	1 278 326	53 323
325412	Pharmaceutical preparation manufacturing	—	17	10	2 327	121 672	1 606	3 300	75 323	649 100	582 142	1 211 545	49 980
3255	Paint, coating, and adhesive manufacturing	1	143	67	8 108	396 863	4 064	8 084	158 478	1 418 785	1 695 036	3 102 866	52 570
32551	Paint and coating manufacturing	—	91	43	5 409	272 620	2 392	4 730	101 393	946 400	1 215 082	2 161 959	36 288
325510	Paint and coating manufacturing	—	91	43	5 409	272 620	2 392	4 730	101 393	946 400	1 215 082	2 161 959	36 288
32552	Adhesive manufacturing	2	52	24	2 699	124 243	1 672	3 354	57 085	472 385	479 954	940 907	16 282
325520	Adhesive manufacturing	2	52	24	2 699	124 243	1 672	3 354	57 085	472 385	479 954	940 907	16 282
3256	Soap, cleaning compound, and toilet preparation manufacturing	—	112	57	8 546	378 176	5 683	11 106	216 256	4 967 213	2 420 804	7 351 368	417 014
32561	Soap and cleaning compound manufacturing	—	84	36	5 268	238 110	3 656	7 121	147 173	3 751 410	1 851 916	5 605 086	359 197
325611	Soap and other detergent manufacturing	—	38	16	2 881	140 153	2 276	4 490	107 107	3 126 372	1 543 962	4 670 830	D
325612	Polish and other sanitation good manufacturing	—	39	19	2 319	93 333	1 340	2 539	37 096	609 646	288 279	899 452	14 247
32562	Toilet preparation manufacturing	1	28	21	3 278	140 066	2 027	3 985	69 083	1 215 803	568 888	1 746 282	57 817
325620	Toilet preparation manufacturing	1	28	21	3 278	140 066	2 027	3 985	69 083	1 215 803	568 888	1 746 282	57 817
3259	Other chemical product and preparation manufacturing	1	201	87	6 561	282 858	3 910	7 921	142 763	980 230	1 018 505	1 998 353	59 111
32591	Printing ink manufacturing	1	35	16	g	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing ...	1	35	16	g	D	D	D	D	D	D	D	D
32592	Explosives manufacturing	—	4	1	c	D	D	D	D	D	D	D	D
325920	Explosives manufacturing ...	—	4	1	c	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ...	1	162	70	5 310	229 744	3 288	6 740	119 215	807 963	834 473	1 645 119	48 824
325991	Custom compounding of purchased resins	—	62	32	2 361	87 127	1 581	3 205	47 476	288 481	438 104	718 931	20 170
325992	Photographic film, paper, plate, and chemical manufacturing	1	17	5	333	17 875	182	379	8 347	24 606	32 307	61 557	1 842
325998	All other miscellaneous chemical product and preparation manufacturing	2	83	33	2 616	124 742	1 525	3 156	63 392	494 876	364 062	864 631	26 812

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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
326	Plastics and rubber products manufacturing	1	'1 155	677	'89 670	'2 920 108	'69 343	'138 754	'1 983 066	'7 878 160	'7 466 101	'15 319 814	'770 759
3261	Plastics product manufacturing ..	1	890	'520	'65 513	'2 027 455	'51 077	'101 537	'1 394 525	'5 637 034	'5 303 751	'10 917 272	'624 155
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	96	63	5 779	219 630	4 302	8 907	147 257	593 841	709 691	1 302 041	124 777
326111	Plastics bag manufacturing ..	2	22	17	1 605	50 346	1 194	2 373	36 888	149 323	125 192	274 775	7 548
326112	Plastics packaging film and sheet (including laminated) manufacturing	2	15	11	840	32 110	656	1 394	22 538	104 660	113 883	218 672	10 658
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	—	59	35	3 334	137 174	2 452	5 140	87 831	339 858	470 616	808 594	106 571
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	1	'78	'45	'3 690	'119 664	'2 796	'5 391	'77 204	'335 907	'290 278	'622 613	'26 671
326121	Unlaminated plastics profile shape manufacturing	—	'46	'22	'1 997	'67 259	'1 533	'2 974	'42 432	'169 706	'120 026	'287 632	'13 385
326122	Plastics pipe and pipe fitting manufacturing	2	32	23	1 693	52 405	1 263	2 417	34 772	166 201	170 252	334 981	13 286
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	1	25	6	1 113	40 001	750	1 509	29 610	132 320	69 249	209 252	5 285
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	1	25	6	1 113	40 001	750	1 509	29 610	132 320	69 249	209 252	5 285
32614	Polystyrene foam product manufacturing	3	37	18	1 154	35 202	910	1 975	23 909	102 021	98 413	195 731	5 989
326140	Polystyrene foam product manufacturing	3	37	18	1 154	35 202	910	1 975	23 909	102 021	98 413	195 731	5 989
32615	Urethane and other foam product (except polystyrene) manufacturing	1	38	19	2 409	79 748	1 819	3 791	48 819	144 248	291 671	435 511	13 557
326150	Urethane and other foam product (except polystyrene) manufacturing	1	38	19	2 409	79 748	1 819	3 791	48 819	144 248	291 671	435 511	13 557
32616	Plastics bottle manufacturing ..	—	25	20	3 881	127 602	3 529	6 996	109 778	418 290	559 072	972 967	66 410
326160	Plastics bottle manufacturing	—	25	20	3 881	127 602	3 529	6 996	109 778	418 290	559 072	972 967	66 410
32619	Other plastics product manufacturing	1	'591	349	'47 487	'1 405 608	'36 971	'72 968	'957 948	'3 910 407	'3 285 377	'7 179 157	'381 466
326191	Plastics plumbing fixture manufacturing	1	24	12	536	15 845	416	852	10 336	55 997	49 387	105 600	2 532
326192	Resilient floor covering manufacturing	1	4	1	225	7 580	161	292	4 799	13 376	12 868	26 472	427
326199	All other plastics product manufacturing	1	'563	336	'46 726	'1 382 183	'36 394	'71 824	'942 813	'3 841 034	'3 223 122	'7 047 085	'378 507
3262	Rubber product manufacturing ...	1	'265	'157	'24 157	'892 653	'18 266	'37 217	'588 541	'2 241 126	'2 162 350	'4 402 542	'146 604
32621	Tire manufacturing	—	40	13	3 668	179 623	2 143	4 180	90 797	367 744	270 799	633 531	15 311
326211	Tire manufacturing (except retreading)	—	12	7	3 267	166 911	1 911	3 707	84 114	344 788	227 412	567 202	13 560
326212	Tire retreading	2	28	6	401	12 712	232	473	6 683	22 956	43 387	66 329	1 751
32622	Rubber and plastics hoses and belting manufacturing	—	'26	'16	'2 640	'92 154	'2 075	'3 983	'64 066	'287 592	'307 124	'600 484	'19 764
326220	Rubber and plastics hoses and belting manufacturing ..	—	'26	'16	'2 640	'92 154	'2 075	'3 983	'64 066	'287 592	'307 124	'600 484	'19 764
32629	Other rubber product manufacturing	1	199	128	17 849	620 876	14 048	29 054	433 678	1 585 790	1 584 427	3 168 527	111 529
326291	Rubber product manufacturing for mechanical use	1	113	76	12 348	432 480	10 019	20 753	318 508	1 101 799	1 036 344	2 135 729	79 087
326299	All other rubber product manufacturing	1	86	52	5 501	188 396	4 029	8 301	115 170	483 991	548 083	1 032 798	32 442
327	Nonmetallic mineral product manufacturing	1	829	325	33 152	1 250 391	26 232	53 616	890 736	3 611 730	2 247 332	5 874 857	226 209
3271	Clay product and refractory manufacturing	—	134	77	7 656	270 359	6 030	12 368	190 104	700 323	360 628	1 051 332	37 959
32711	Pottery, ceramics, and plumbing fixture manufacturing	—	55	24	3 660	124 718	3 074	6 335	95 059	319 469	124 755	440 050	15 396
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	—	4	3	1 682	63 572	1 460	3 207	53 344	211 132	60 744	267 154	D
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	1	40	14	1 404	38 707	1 195	2 317	28 136	59 318	35 725	95 814	1 864
327113	Porcelain electrical supply manufacturing	—	11	7	574	22 439	419	811	13 579	49 019	28 286	77 082	D
32712	Clay building material and refractories manufacturing	—	79	53	3 996	145 641	2 956	6 033	95 045	380 854	235 873	611 282	22 563
327121	Brick and structural clay tile manufacturing	—	18	15	1 082	35 643	922	1 850	27 549	87 168	37 112	114 799	6 838
327122	Ceramic wall and floor tile manufacturing	—	9	6	669	19 172	464	903	14 208	40 706	18 648	66 826	2 387
327123	Other structural clay product manufacturing	—	7	4	405	15 188	323	707	10 709	32 946	11 177	42 052	2 275
327124	Clay refractory manufacturing	—	26	17	954	37 548	659	1 335	21 932	128 534	94 267	222 429	4 253
327125	Nonclay refractory manufacturing	2	19	11	886	38 090	588	1 238	20 647	91 500	74 669	165 176	6 810

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
327	Nonmetallic mineral product manufacturing—Con.												
3272	Glass and glass product manufacturing	—	120	51	10 037	401 656	8 200	16 680	300 213	1 180 287	612 599	1 808 359	65 179
32721	Glass and glass product manufacturing	—	120	51	10 037	401 656	8 200	16 680	300 213	1 180 287	612 599	1 808 359	65 179
327211	Flat glass manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	39	19	5 916	250 171	4 785	9 840	186 186	731 528	288 311	1 035 747	45 259
327213	Glass container manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	1	78	30	h	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	397	134	8 516	310 299	6 468	13 403	214 801	855 508	702 783	1 564 460	66 137
32731	Cement manufacturing	5	12	3	340	17 868	247	538	12 300	79 778	46 345	129 323	3 619
327310	Cement manufacturing	5	12	3	340	17 868	247	538	12 300	79 778	46 345	129 323	3 619
32732	Ready-mix concrete manufacturing	2	231	68	3 980	147 689	3 254	6 717	115 329	385 508	446 330	835 563	35 345
327320	Ready-mix concrete manufacturing	2	231	68	3 980	147 689	3 254	6 717	115 329	385 508	446 330	835 563	35 345
32733	Concrete pipe, brick, and block manufacturing	2	63	35	1 980	70 947	1 317	2 820	42 539	212 189	138 776	350 900	18 172
327331	Concrete block and brick manufacturing	1	45	21	1 007	36 363	614	1 287	20 670	110 706	92 908	202 739	12 286
327332	Concrete pipe manufacturing	3	18	14	973	34 584	703	1 533	21 869	101 483	45 868	148 161	5 886
32739	Other concrete product manufacturing	2	91	28	2 216	73 795	1 650	3 328	44 633	178 033	71 332	248 674	9 001
327390	Other concrete product manufacturing	2	91	28	2 216	73 795	1 650	3 328	44 633	178 033	71 332	248 674	9 001
3274	Lime and gypsum product manufacturing	—	19	8	888	37 782	705	1 544	29 261	77 397	142 349	219 975	4 301
32741	Lime manufacturing	—	8	5	386	16 297	284	567	12 349	35 623	60 683	96 435	1 790
327410	Lime manufacturing	—	8	5	386	16 297	284	567	12 349	35 623	60 683	96 435	1 790
32742	Gypsum product manufacturing	1	11	3	502	21 485	421	977	16 912	41 774	81 666	123 540	2 511
327420	Gypsum product manufacturing	1	11	3	502	21 485	421	977	16 912	41 774	81 666	123 540	2 511
3279	Other nonmetallic mineral product manufacturing	—	159	55	6 055	230 295	4 829	9 621	156 357	798 215	428 973	1 230 731	52 633
32791	Abrasive product manufacturing	—	35	17	1 678	73 666	1 154	2 471	38 431	201 732	102 655	304 793	8 289
327910	Abrasive product manufacturing	—	35	17	1 678	73 666	1 154	2 471	38 431	201 732	102 655	304 793	8 289
32799	All other nonmetallic mineral product manufacturing	—	124	38	4 377	156 629	3 675	7 150	117 926	596 483	326 318	925 938	44 344
327991	Cut stone and stone product manufacturing	3	51	9	705	19 696	551	1 006	13 490	39 821	22 653	64 539	1 403
327992	Ground or treated mineral and earth manufacturing ..	—	23	5	338	13 904	233	500	7 694	39 021	36 213	76 989	3 708
327993	Mineral wool manufacturing ..	—	27	14	2 829	105 251	2 543	4 997	86 025	445 837	235 784	682 178	36 931
327999	All other miscellaneous nonmetallic mineral product manufacturing	—	23	10	505	17 778	348	647	10 717	71 804	31 668	102 232	2 302
331	Primary metal manufacturing	—	467	293	57 702	2 735 062	45 891	97 287	2 087 524	6 049 284	9 925 667	15 916 537	624 041
3311	Iron and steel mills and ferroalloy manufacturing	—	52	43	20 493	1 053 224	16 389	35 674	834 624	2 409 492	4 632 511	6 987 636	143 432
33111	Iron and steel mills and ferroalloy manufacturing	—	52	43	20 493	1 053 224	16 389	35 674	834 624	2 409 492	4 632 511	6 987 636	143 432
331111	Iron and steel mills	—	46	37	18 848	970 552	15 216	33 122	780 185	2 214 656	4 228 412	6 368 766	129 096
331112	Electrometallurgical ferroalloy product manufacturing	—	6	6	1 645	82 672	1 173	2 552	54 439	194 836	404 099	618 870	14 336
3312	Steel product manufacturing from purchased steel	—	66	51	8 701	398 992	6 821	14 140	288 880	1 180 187	1 832 852	2 968 356	98 846
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	27	22	3 940	158 352	3 217	6 713	120 739	422 999	575 074	1 006 549	69 677
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	27	22	3 940	158 352	3 217	6 713	120 739	422 999	575 074	1 006 549	69 677
33122	Rolling and drawing of purchased steel	—	39	29	4 761	240 640	3 604	7 427	168 141	757 188	1 257 778	1 961 807	29 169
331221	Rolled steel shape manufacturing	—	23	19	3 563	188 361	2 718	5 581	133 610	633 453	1 078 462	1 668 542	26 643
331222	Steel wire drawing	2	16	10	1 198	52 279	886	1 846	34 531	123 735	179 316	293 265	2 526
3313	Alumina and aluminum production and processing	—	42	27	4 887	185 780	4 006	8 521	136 037	524 771	1 482 073	2 027 833	42 449
33131	Alumina and aluminum production and processing	—	42	27	4 887	185 780	4 006	8 521	136 037	524 771	1 482 073	2 027 833	42 449
331312	Primary aluminum production	1	5	3	g	D	D	D	D	D	D	D	20 982
331314	Secondary smelting and alloying of aluminum	—	10	5	425	18 139	335	772	12 125	57 823	150 622	210 225	4 294
331315	Aluminum sheet, plate, and foil manufacturing	—	4	3	999	43 889	770	1 693	31 311	129 383	667 573	813 557	D
331316	Aluminum extruded product manufacturing	2	21	14	1 977	57 092	1 651	3 403	40 619	147 359	219 377	367 120	8 348

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

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NAICS code	Geographic area and industry	All establishments ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	OHIO—Con.												
331	Primary metal manufacturing—Con.												
3313	Alumina and aluminum production and processing—Con.												
33131	Alumina and aluminum production and processing—Con.												
331319	Other aluminum rolling and drawing	—	2	2	e	D	D	D	D	D	D	D	
3314	Nonferrous metal (except aluminum) production and processing	1	57	32	3 711	174 175	2 511	5 049	103 480	394 010	675 492	1 087 879	76 857
33141	Nonferrous metal (except aluminum) smelting and refining	1	9	4	200	9 197	126	261	4 421	12 528	38 519	53 487	318
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	1	8	3	c	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	1	15	10	1 384	63 328	902	1 998	35 619	141 868	384 883	530 431	56 696
331421	Copper rolling, drawing, and extruding	—	8	6	1 008	46 195	695	1 539	28 050	120 031	281 226	403 647	D
331423	Secondary smelting, refining, and alloying of copper	2	6	3	e	D	D	D	D	D	D	D	844
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	33	18	2 127	101 650	1 483	2 790	63 440	239 614	252 090	503 961	19 843
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	16	9	1 549	75 175	1 107	1 960	48 525	151 610	203 782	362 273	D
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	3	17	9	578	26 475	376	830	14 915	88 004	48 308	141 688	D
3315	Foundries	—	250	140	19 910	922 891	16 164	33 903	724 503	1 540 824	1 302 739	2 844 833	262 457
33151	Ferrous metal foundries	—	108	64	11 676	612 145	9 603	20 311	502 054	823 207	732 685	1 550 084	215 558
331511	Iron foundries	—	76	42	8 655	510 370	7 339	15 681	426 391	569 224	576 185	1 138 065	199 692
331512	Steel investment foundries ..	1	15	12	1 509	53 679	1 077	2 299	41 476	152 337	86 343	236 361	9 903
331513	Steel foundries (except investment)	—	17	10	1 512	48 096	1 187	2 331	34 187	101 646	70 157	175 658	5 963
33152	Nonferrous metal foundries	—	142	76	8 234	310 746	6 561	13 592	222 449	717 617	570 054	1 294 749	46 899
331521	Aluminum die-casting foundries	—	24	14	1 957	81 327	1 611	3 533	62 514	194 566	219 426	411 316	20 122
331522	Nonferrous (except aluminum) die-casting foundries	—	21	17	1 624	53 217	1 295	2 533	35 602	129 230	64 580	193 551	9 564
331524	Aluminum foundries (except die-casting)	—	62	26	3 193	105 504	2 459	5 134	71 531	196 045	176 334	373 828	9 684
331525	Copper foundries (except die-casting)	2	20	10	491	16 436	410	799	11 799	32 658	24 865	59 749	2 344
331528	Other nonferrous foundries (except die-casting)	—	15	9	969	54 262	786	1 593	41 003	165 118	84 849	256 305	5 185
332	Fabricated metal product manufacturing	1	'4 221	'1 307	'125 434	'4 707 415	'93 929	'188 424	'3 091 748	'11 824 311	'10 282 402	'22 187 619	'788 887
3321	Forging and stamping	—	262	150	15 959	637 334	11 784	24 174	412 941	1 521 068	1 815 312	3 342 090	143 093
33211	Forging and stamping	—	262	150	15 959	637 334	11 784	24 174	412 941	1 521 068	1 815 312	3 342 090	143 093
332111	Iron and steel forging	1	39	31	3 480	145 604	2 501	5 134	97 555	311 618	343 330	656 410	36 236
332112	Nonferrous forging	—	6	2	g	D	D	D	D	D	D	D	D
332114	Custom roll forming	—	35	23	2 735	111 037	2 103	4 468	74 000	348 187	630 040	982 607	19 072
332115	Crown and closure manufacturing	—	7	4	354	18 448	288	666	13 897	77 176	67 709	144 334	D
332116	Metal stamping	1	170	88	6 850	258 995	5 253	10 593	164 231	572 579	490 329	1 061 875	35 568
332117	Powder metallurgy part manufacturing	1	5	2	c	D	D	D	D	D	D	D	44
3322	Cutlery and handtool manufacturing	—	109	45	4 866	173 927	3 502	6 679	107 590	577 194	323 658	899 980	39 540
33221	Cutlery and handtool manufacturing	—	109	45	4 866	173 927	3 502	6 679	107 590	577 194	323 658	899 980	39 540
332211	Cutlery and flatware (except precious) manufacturing ...	3	9	1	160	6 019	116	208	3 511	13 625	2 654	16 256	331
332212	Hand and edge tool manufacturing	—	83	35	3 128	112 346	2 226	4 258	68 854	264 560	156 993	423 683	28 281
332213	Saw blade and handsaw manufacturing	—	8	4	493	16 178	382	738	10 931	49 546	18 463	67 310	3 195
332214	Kitchen utensil, pot, and pan manufacturing	—	9	5	1 085	39 384	778	1 475	24 294	249 463	145 548	392 731	7 733
3323	Architectural and structural metals manufacturing	1	'643	216	'18 109	'629 699	'13 059	'26 214	'387 254	'1 501 006	'1 636 890	'3 147 179	'93 307
33231	Plate work and fabricated structural product manufacturing	3	295	94	6 851	250 381	4 750	9 368	145 238	563 866	542 759	1 122 180	40 666
332311	Prefabricated metal building and component manufacturing	5	31	12	1 206	39 160	772	1 543	20 916	105 663	103 403	209 337	3 438
332312	Fabricated structural metal manufacturing	3	187	58	4 048	150 310	2 828	5 541	88 850	350 374	346 365	700 624	14 412
332313	Plate work manufacturing ...	3	77	24	1 597	60 911	1 150	2 284	35 472	107 829	92 991	212 219	22 816

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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing—Con.												
33232	Ornamental and architectural metal products manufacturing	—	'348	122	'11 258	'379 318	'8 309	'16 846	'242 016	'937 140	'1 094 131	'2 024 999	'52 641
332321	Metal window and door manufacturing	—	52	28	4 033	132 621	3 075	6 322	86 379	379 660	528 154	905 032	27 351
332322	Sheet metal work manufacturing	1	219	68	4 957	170 815	3 694	7 432	111 562	367 963	387 300	755 556	15 332
332323	Ornamental and architectural metal work manufacturing . .	—	'77	26	'2 268	'75 882	'1 540	'3 092	'44 075	'189 517	'178 677	'364 411	'9 958
3324	Boiler, tank, and shipping container manufacturing	—	99	50	7 884	321 324	6 265	12 223	227 028	787 896	1 164 665	1 958 892	48 893
33241	Power boiler and heat exchanger manufacturing	—	15	9	1 316	63 723	690	1 530	28 914	144 399	121 106	267 805	15 937
332410	Power boiler and heat exchanger manufacturing . .	—	15	9	1 316	63 723	690	1 530	28 914	144 399	121 106	267 805	15 937
33242	Metal tank (heavy gauge) manufacturing	—	27	10	3 132	122 091	2 763	4 611	100 031	175 993	182 913	364 574	10 581
332420	Metal tank (heavy gauge) manufacturing	—	27	10	3 132	122 091	2 763	4 611	100 031	175 993	182 913	364 574	10 581
33243	Metal can, box, and other metal container (light gauge) manufacturing	—	57	31	3 436	135 510	2 812	6 082	98 083	467 504	860 646	1 326 513	22 375
332431	Metal can manufacturing	—	15	9	1 675	70 548	1 448	3 173	56 430	325 549	705 777	1 029 344	19 749
332439	Other metal container manufacturing	2	42	22	1 761	64 962	1 364	2 909	41 653	141 955	154 869	297 169	2 626
3325	Hardware manufacturing	1	55	26	4 120	161 517	2 763	5 771	98 994	565 623	353 647	925 013	19 650
33251	Hardware manufacturing	1	55	26	4 120	161 517	2 763	5 771	98 994	565 623	353 647	925 013	19 650
332510	Hardware manufacturing	1	55	26	4 120	161 517	2 763	5 771	98 994	565 623	353 647	925 013	19 650
3326	Spring and wire product manufacturing	1	135	54	5 237	165 466	4 088	8 005	112 830	421 650	307 199	730 468	17 083
33261	Spring and wire product manufacturing	1	135	54	5 237	165 466	4 088	8 005	112 830	421 650	307 199	730 468	17 083
332611	Spring (heavy gauge) manufacturing	—	6	3	290	8 707	233	453	6 323	12 197	28 521	42 011	666
332612	Spring (light gauge) manufacturing	1	31	19	1 866	58 049	1 584	3 191	46 254	135 656	90 027	225 946	8 929
332618	Other fabricated wire product manufacturing	2	98	32	3 081	98 710	2 271	4 361	60 253	273 797	188 651	462 511	7 488
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing	2	1 917	394	31 086	1 138 189	23 965	48 397	779 760	2 340 460	1 261 513	3 600 315	186 989
33271	Machine shops	2	1 587	237	18 881	681 335	14 466	28 573	466 576	1 371 849	623 983	1 995 852	78 538
332710	Machine shops	2	1 587	237	18 881	681 335	14 466	28 573	466 576	1 371 849	623 983	1 995 852	78 538
33272	Turned product and screw, nut, and bolt manufacturing	2	330	157	12 205	456 854	9 499	19 824	313 184	968 611	637 530	1 604 463	108 451
332721	Precision turned product manufacturing	2	246	110	8 000	286 517	6 357	13 085	203 038	630 700	312 546	944 609	50 017
332722	Bolt, nut, screw, rivet, and washer manufacturing	2	84	47	4 205	170 337	3 142	6 739	110 146	337 911	324 984	659 854	58 434
3328	Coating, engraving, heat treating, and allied activities	—	529	180	13 972	488 061	10 834	21 374	326 575	1 375 599	1 568 019	2 955 738	56 192
33281	Coating, engraving, heat treating, and allied activities . .	—	529	180	13 972	488 061	10 834	21 374	326 575	1 375 599	1 568 019	2 955 738	56 192
332811	Metal heat treating	—	100	43	2 683	103 227	2 088	4 366	72 056	264 831	153 615	415 327	14 058
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers . .	—	174	61	5 578	213 136	4 161	8 261	137 544	696 473	1 128 622	1 842 918	22 684
332813	Electroplating, plating, polishing, anodizing, and coloring	—	255	76	5 711	171 698	4 585	8 747	116 975	414 295	285 782	697 493	19 450
3329	Other fabricated metal product manufacturing	—	'472	'192	'24 201	'991 898	'17 669	'35 587	'638 776	'2 733 815	'1 851 499	'4 627 944	'184 140
33291	Metal valve manufacturing	—	105	61	9 274	366 157	6 252	12 389	201 120	972 696	699 266	1 707 391	76 730
332911	Industrial valve manufacturing	—	30	21	2 808	114 957	1 624	3 225	53 679	254 216	156 402	419 236	24 220
332912	Fluid power valve and hose fitting manufacturing	—	43	25	4 872	190 871	3 532	6 968	113 434	567 172	432 215	1 027 714	36 551
332913	Plumbing fixture fitting and trim manufacturing	—	14	5	524	19 156	326	630	10 192	41 210	41 705	82 348	7 631
332919	Other metal valve and pipe fitting manufacturing	3	18	10	1 070	41 173	770	1 566	23 815	110 098	68 944	178 093	8 328
33299	All other fabricated metal product manufacturing	—	'367	'131	'14 927	'625 741	'11 417	'23 198	'437 656	'1 761 119	'1 152 233	'2 920 553	'107 410
332991	Ball and roller bearing manufacturing	—	13	13	4 408	215 726	3 740	7 808	177 830	664 374	432 460	1 103 131	42 383
332992	Small arms ammunition manufacturing	2	6	1	100	1 907	70	123	1 415	6 607	3 934	10 643	131
332993	Ammunition (except small arms) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing . .	—	4	1	f	D	D	D	D	D	D	D	22
332996	Fabricated pipe and pipe fitting manufacturing	1	43	19	1 509	49 695	1 123	2 184	30 268	94 884	74 573	169 055	5 559
332997	Industrial pattern manufacturing	2	'70	8	'679	'25 162	'526	'1 046	'18 372	'42 191	'15 738	'57 744	D

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	OHIO—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing—Con.												
33299	All other fabricated metal product manufacturing—Con.												
332998	Enameled iron and metal sanitary ware manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	1	'218	'85	'6 488	'248 197	'4 901	'9 715	'167 734	'742 802	'473 544	'1 218 676	'49 817
333	Machinery manufacturing	1	2 076	752	'82 815	'3 602 235	'51 504	'101 391	'1 863 448	'7 995 167	'7 467 365	'15 578 427	'436 004
3331	Agriculture, construction, and mining machinery manufacturing	1	113	44	4 735	174 372	3 590	7 075	117 949	590 865	618 291	1 218 575	17 786
33311	Agricultural implement manufacturing	1	40	13	2 002	69 669	1 713	3 269	56 145	268 001	336 286	594 671	7 424
333111	Farm machinery and equipment manufacturing ..	2	30	9	802	30 491	608	1 347	20 992	86 355	72 742	150 060	3 037
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	1	10	4	1 200	39 178	1 105	1 922	35 153	181 646	263 544	444 611	4 387
33312	Construction machinery manufacturing	1	50	24	2 097	78 362	1 431	2 894	45 382	240 366	208 487	468 308	6 857
333120	Construction machinery manufacturing	1	50	24	2 097	78 362	1 431	2 894	45 382	240 366	208 487	468 308	6 857
33313	Mining and oil and gas field machinery manufacturing	1	23	7	636	26 341	446	912	16 422	82 498	73 518	155 596	3 505
333131	Mining machinery and equipment manufacturing ..	1	15	7	557	23 246	388	794	14 584	74 917	64 531	139 226	2 994
3332	Industrial machinery manufacturing	2	'288	'109	'9 372	'422 121	'4 870	'9 269	'168 638	'743 794	'942 988	'1 741 667	'35 565
33321	Sawmill and woodworking machinery manufacturing	4	14	5	303	10 900	161	303	6 077	24 453	5 930	30 970	916
333210	Sawmill and woodworking machinery manufacturing ..	4	14	5	303	10 900	161	303	6 077	24 453	5 930	30 970	916
33322	Plastics and rubber industry machinery manufacturing	1	73	34	3 145	142 668	1 577	2 901	55 509	198 963	375 024	622 934	6 178
333220	Plastics and rubber industry machinery manufacturing ..	1	73	34	3 145	142 668	1 577	2 901	55 509	198 963	375 024	622 934	6 178
33329	Other industrial machinery manufacturing	2	'201	'70	'5 924	'268 553	'3 132	'6 065	'107 052	'520 378	'562 034	'1 087 763	'28 471
333291	Paper industry machinery manufacturing	1	16	6	483	23 213	260	521	10 054	38 532	57 069	96 649	2 089
333292	Textile machinery manufacturing	1	11	4	220	8 310	102	202	2 491	20 320	20 087	40 465	365
333293	Printing machinery and equipment manufacturing ..	4	26	8	800	34 371	419	684	14 064	65 642	63 750	129 230	3 721
333294	Food product machinery manufacturing	—	23	13	1 396	77 533	654	1 280	25 563	155 332	154 600	310 619	5 367
333298	All other industrial machinery manufacturing	3	'121	'38	'2 970	'122 153	'1 670	'3 326	'53 744	'231 718	'265 597	'501 770	'16 780
3333	Commercial and service industry machinery manufacturing	1	106	40	5 330	217 432	3 307	7 522	101 095	680 473	416 746	1 083 204	37 345
33331	Commercial and service industry machinery manufacturing	1	106	40	5 330	217 432	3 307	7 522	101 095	680 473	416 746	1 083 204	37 345
333311	Automatic vending machine manufacturing	—	4	3	412	13 989	207	433	5 371	50 808	37 191	88 241	5 780
333314	Optical instrument and lens manufacturing	—	8	5	1 587	69 520	1 114	2 917	35 600	243 420	64 677	297 528	D
333315	Photographic and photocopying equipment manufacturing	1	8	3	173	10 158	90	202	3 354	33 061	20 896	54 041	2 048
333319	Other commercial and service industry machinery manufacturing	2	80	27	3 041	119 371	1 827	3 840	54 414	346 740	258 587	602 719	15 482
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	88	56	7 995	350 442	4 715	9 326	146 205	762 966	759 230	1 543 476	40 675
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	88	56	7 995	350 442	4 715	9 326	146 205	762 966	759 230	1 543 476	40 675
333411	Air purification equipment manufacturing	—	14	7	736	19 307	536	949	9 457	41 559	30 064	71 600	3 286
333412	Industrial and commercial fan and blower manufacturing ..	—	18	13	1 206	48 542	835	1 719	27 517	129 514	93 957	221 306	15 178
333414	Heating equipment (except warm air furnaces) manufacturing	—	19	9	1 127	44 421	614	1 312	18 163	87 780	90 390	181 130	4 787
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	37	27	4 926	238 172	2 730	5 346	91 068	504 113	544 819	1 069 440	17 424

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	OHIO—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	2	923	273	'22 636	'996 577	'15 387	'30 694	'610 658	'1 819 879	'1 071 256	'2 962 099	'93 782
33351	Metalworking machinery manufacturing	2	923	273	'22 636	'996 577	'15 387	'30 694	'610 658	'1 819 879	'1 071 256	'2 962 099	'93 782
333511	Industrial mold manufacturing	1	254	79	'5 323	'237 441	'4 074	'8 431	'169 837	'420 888	'173 885	'597 554	'31 252
333512	Machine tool (metal cutting types) manufacturing	—	37	21	2 516	118 636	1 129	1 879	43 893	210 930	255 821	498 454	7 462
333513	Machine tool (metal forming types) manufacturing	—	'21	14	'1 696	'86 479	'897	'1 741	'44 962	'130 628	'107 941	'250 137	'3 356
333514	Special die and tool, die set, jig, and fixture manufacturing	2	378	94	6 783	289 491	4 981	10 140	194 230	558 755	268 138	816 906	33 178
333515	Cutting tool and machine tool accessory manufacturing	2	'171	41	'3 891	'146 277	'2 833	'5 362	'92 033	'306 569	'109 438	'420 449	'11 326
333516	Rolling mill machinery and equipment manufacturing ..	4	20	8	822	42 557	465	1 035	20 265	64 289	56 299	125 899	2 437
333518	Other metalworking machinery manufacturing ..	3	42	16	1 605	75 696	1 008	2 106	45 438	127 820	99 734	252 700	4 771
3336	Engine, turbine, and power transmission equipment manufacturing	1	67	30	4 948	218 403	3 283	6 702	122 267	658 491	1 023 198	1 640 625	88 727
33361	Engine, turbine, and power transmission equipment manufacturing	1	67	30	4 948	218 403	3 283	6 702	122 267	658 491	1 023 198	1 640 625	88 727
333611	Turbine and turbine generator set units manufacturing	—	10	7	1 325	66 113	747	1 054	29 154	97 676	262 967	335 960	8 271
333612	Speed changer, industrial high-speed drive, and gear manufacturing	1	24	8	753	31 644	483	999	16 967	80 830	50 357	128 409	1 727
333613	Mechanical power transmission equipment manufacturing	5	18	10	1 006	44 018	583	1 252	20 801	163 209	77 151	237 103	D
333618	Other engine equipment manufacturing	—	15	5	1 864	76 628	1 470	3 397	55 345	316 776	632 723	939 153	D
3339	Other general purpose machinery manufacturing	1	'491	'200	'27 799	'1 222 888	'16 352	'30 803	'596 636	'2 738 699	'2 635 656	'5 388 781	'122 124
33391	Pump and compressor manufacturing	1	'55	'32	'5 634	'232 746	'3 172	'6 191	'105 253	'552 223	'540 955	'1 122 217	'19 224
333911	Pump and pumping equipment manufacturing ..	1	31	18	3 568	135 592	2 127	4 071	68 497	289 022	328 454	644 754	9 713
333912	Air and gas compressor manufacturing	1	'21	'11	'1 455	'70 301	'668	'1 395	'22 925	'165 650	'150 813	'318 519	D
333913	Measuring and dispensing pump manufacturing	—	3	3	611	26 853	377	725	13 831	97 551	61 688	158 944	D
33392	Material handling equipment manufacturing	2	124	61	7 631	308 451	4 928	10 291	174 201	548 270	699 335	1 237 022	21 119
333921	Elevator and moving stairway manufacturing	—	7	4	332	11 324	241	434	6 447	25 135	42 360	68 112	D
333922	Conveyor and conveying equipment manufacturing ..	2	72	38	2 863	114 652	1 662	3 547	55 058	264 258	197 129	464 103	5 202
333923	Overhead traveling crane, hoist, and monorail system manufacturing	7	16	5	1 216	50 131	738	1 373	25 040	84 608	95 456	168 301	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	29	14	3 220	132 344	2 287	4 937	87 656	174 269	364 390	536 506	8 232
33399	All other general purpose machinery manufacturing	—	312	107	14 534	681 691	8 252	14 321	317 182	1 638 206	1 395 366	3 029 542	81 781
333991	Power-driven handtool manufacturing	—	14	6	880	46 668	465	700	19 032	85 028	104 068	190 041	2 500
333992	Welding and soldering equipment manufacturing ..	—	23	12	4 234	226 009	2 507	3 900	119 145	710 884	525 516	1 205 032	33 086
333993	Packaging machinery manufacturing	—	39	17	2 290	105 820	1 038	2 099	37 643	204 801	196 399	412 844	15 429
333994	Industrial process furnace and oven manufacturing ...	1	37	11	f	D	D	D	D	D	D	D	3 389
333995	Fluid power cylinder and actuator manufacturing	1	34	18	1 597	59 291	1 055	1 995	33 579	132 158	97 798	235 867	6 356
333996	Fluid power pump and motor manufacturing	—	16	7	1 587	73 038	984	1 984	38 829	133 144	146 471	283 512	12 811
333997	Scale and balance (except laboratory) manufacturing ..	—	7	4	e	D	D	D	D	D	D	D	328
333999	All other miscellaneous general purpose machinery manufacturing	1	142	32	2 726	113 015	1 570	2 516	45 903	242 758	202 158	447 746	7 882
334	Computer and electronic product manufacturing	—	515	200	29 418	1 202 667	16 207	30 910	516 714	3 552 494	3 802 263	7 489 862	159 516
3341	Computer and peripheral equipment manufacturing	—	48	12	2 145	97 197	890	1 742	29 325	256 960	251 322	524 954	16 605
33411	Computer and peripheral equipment manufacturing	—	48	12	2 145	97 197	890	1 742	29 325	256 960	251 322	524 954	16 605
334111	Electronic computer manufacturing	2	14	3	729	25 279	286	403	10 411	16 950	57 430	85 346	D
334119	Other computer peripheral equipment manufacturing ..	—	29	7	1 302	66 036	579	1 293	18 080	230 840	186 607	422 600	12 302

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

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
334	Computer and electronic product manufacturing—Con.												
3342	Communications equipment manufacturing	—	40	11	4 087	164 353	1 823	2 498	81 630	1 135 456	1 200 819	2 426 601	15 397
33421	Telephone apparatus manufacturing	—	8	2	h	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	—	8	2	h	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	19	7	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	19	7	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing	—	13	2	c	D	D	D	D	D	D	D	866
334290	Other communications equipment manufacturing ..	—	13	2	c	D	D	D	D	D	D	D	866
3343	Audio and video equipment manufacturing	—	10	3	e	D	D	D	D	D	D	D	2 485
33431	Audio and video equipment manufacturing	—	10	3	e	D	D	D	D	D	D	D	2 485
334310	Audio and video equipment manufacturing	—	10	3	e	D	D	D	D	D	D	D	2 485
3344	Semiconductor and other electronic component manufacturing	—	154	77	9 027	319 270	6 456	13 204	192 041	508 840	926 214	1 464 115	55 034
33441	Semiconductor and other electronic component manufacturing	—	154	77	9 027	319 270	6 456	13 204	192 041	508 840	926 214	1 464 115	55 034
334411	Electron tube manufacturing	—	6	5	h	D	D	D	D	D	D	D	7 430
334412	Bare printed circuit board manufacturing	1	29	18	1 248	37 662	933	1 844	22 740	77 973	69 113	139 785	3 325
334413	Semiconductor and related device manufacturing	3	12	6	1 009	46 887	604	1 282	23 368	84 952	44 473	136 151	35 126
334416	Electronic coil, transformer, and other inductor manufacturing	1	11	3	c	D	D	D	D	D	D	D	124
334417	Electronic connector manufacturing	—	11	6	492	12 915	382	559	7 308	28 550	10 308	38 902	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	25	19	1 544	47 749	1 093	2 117	27 462	100 063	112 517	215 414	2 934
334419	Other electronic component manufacturing	1	59	20	2 027	69 211	1 188	2 406	29 455	114 483	80 920	197 142	5 393
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	245	92	13 285	586 125	6 461	12 245	197 476	1 581 427	1 172 788	2 752 905	68 988
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	245	92	13 285	586 125	6 461	12 245	197 476	1 581 427	1 172 788	2 752 905	68 988
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	13	5	496	22 823	213	453	8 020	71 465	76 604	147 011	3 684
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2	21	8	1 505	73 206	734	720	21 659	343 037	88 629	424 990	7 989
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	21	10	2 909	95 858	1 965	3 885	45 697	198 393	108 954	305 403	7 454
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	56	23	2 913	144 440	1 004	2 058	38 819	340 110	164 767	508 818	11 750
334514	Totalizing fluid meter and counting device manufacturing	—	13	5	735	28 189	507	1 092	13 890	36 722	181 948	217 192	8 254
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	—	38	17	1 852	87 508	758	1 426	27 828	148 654	123 372	275 101	10 659
334516	Analytical laboratory instrument manufacturing ..	3	22	6	f	D	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	52	15	1 427	71 252	753	1 479	24 840	177 858	100 538	282 319	7 127
3346	Manufacturing and reproducing magnetic and optical media	1	18	5	f	D	D	D	D	D	D	D	1 007
33461	Manufacturing and reproducing magnetic and optical media ...	1	18	5	f	D	D	D	D	D	D	D	1 007
334612	Pre-recorded compact disc (except software), tape, and record reproducing	1	10	4	441	17 219	308	650	9 287	50 739	14 018	64 736	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
335	Electrical equipment, appliance, and component manufacturing	—	359	174	37 876	1 366 295	28 950	55 618	918 342	5 402 641	3 928 563	9 342 021	177 934
3351	Electric lighting equipment manufacturing	1	55	33	5 660	217 656	4 334	8 213	152 097	826 736	470 636	1 297 329	46 185
33511	Electric lamp bulb and part manufacturing	—	11	9	h	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	11	9	h	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	2	44	24	h	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	1	14	9	958	33 870	559	1 118	12 056	100 085	88 227	184 366	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing	4	19	10	1 383	45 029	872	1 742	20 182	223 712	145 280	369 499	D
3352	Household appliance manufacturing	—	23	18	14 856	551 438	12 666	25 394	432 960	2 665 128	1 999 825	4 683 776	53 672
33521	Small electrical appliance manufacturing	—	14	10	i	D	D	D	D	D	D	D	23 721
335211	Electric housewares and household fan manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	—	7	6	3 763	155 055	2 662	4 936	95 044	650 977	269 767	916 246	D
33522	Major appliance manufacturing ..	—	9	8	i	D	D	D	D	D	D	D	29 951
335221	Household cooking appliance manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	3	2	i	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	164	65	9 549	332 607	6 209	10 698	168 358	1 160 140	813 017	1 966 241	39 769
33531	Electrical equipment manufacturing	—	164	65	9 549	332 607	6 209	10 698	168 358	1 160 140	813 017	1 966 241	39 769
335311	Power, distribution, and specialty transformer manufacturing	—	14	5	481	9 897	374	676	6 030	36 708	32 848	69 771	2 053
335312	Motor and generator manufacturing	1	40	23	4 704	152 676	3 247	5 303	84 492	335 766	249 270	577 836	26 349
335313	Switchgear and switchboard apparatus manufacturing ...	—	43	15	2 240	83 204	1 490	2 495	45 889	266 138	160 302	428 663	7 372
335314	Relay and industrial control manufacturing	—	67	22	2 124	86 830	1 098	2 224	31 947	521 528	370 597	889 971	3 995
3359	Other electrical equipment and component manufacturing	—	117	58	7 811	264 594	5 741	11 313	164 927	750 637	645 085	1 394 675	38 308
33591	Battery manufacturing	—	7	4	934	33 363	756	1 697	25 786	75 818	118 968	195 175	5 857
335911	Storage battery manufacturing	—	7	4	934	33 363	756	1 697	25 786	75 818	118 968	195 175	5 857
33592	Communication and energy wire and cable manufacturing ..	2	10	5	226	7 005	167	350	4 373	23 094	38 030	60 382	753
335929	Other communication and energy wire manufacturing ..	2	10	5	226	7 005	167	350	4 373	23 094	38 030	60 382	753
33593	Wiring device manufacturing ...	—	47	25	4 358	137 460	3 371	6 195	92 145	334 157	367 960	703 306	21 945
335931	Current-carrying wiring device manufacturing	1	31	16	3 317	103 689	2 544	4 548	68 274	237 555	252 515	488 738	17 387
335932	Noncurrent-carrying wiring device manufacturing	—	16	9	1 041	33 771	827	1 647	23 871	96 602	115 445	214 568	4 558
33599	All other electrical equipment and component manufacturing	—	53	24	2 293	86 766	1 447	3 071	42 623	317 568	120 127	435 812	9 753
335991	Carbon and graphite product manufacturing	1	12	7	463	17 528	356	825	11 880	37 013	32 080	69 016	1 116
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	41	17	1 830	69 238	1 091	2 246	30 743	280 555	88 047	366 796	8 637
336	Transportation equipment manufacturing	—	738	451	163 486	8 299 952	130 053	251 410	6 175 244	29 125 192	46 330 213	75 438 830	2 014 883
3361	Motor vehicle manufacturing	—	28	15	32 612	2 136 620	28 148	57 019	1 812 117	12 686 692	22 118 480	34 842 097	318 568
33611	Automobile and light duty motor vehicle manufacturing	—	18	10	k	D	D	D	D	D	D	D	306 628
336111	Automobile manufacturing	—	13	5	j	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	5	5	15 119	1 052 489	14 001	28 411	959 251	5 336 690	11 398 702	16 791 663	D
33612	Heavy duty truck manufacturing	—	10	5	h	D	D	D	D	D	D	D	11 940
336120	Heavy duty truck manufacturing	—	10	5	h	D	D	D	D	D	D	D	11 940
3362	Motor vehicle body and trailer manufacturing	1	79	43	3 923	134 525	3 008	5 691	93 083	244 044	377 603	620 456	8 284

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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
336	Transportation equipment manufacturing—Con.												
3362	Motor vehicle body and trailer manufacturing—Con.												
33621	Motor vehicle body and trailer manufacturing	1	79	43	3 923	134 525	3 008	5 691	93 083	244 044	377 603	620 456	8 284
336211	Motor vehicle body manufacturing	2	41	25	2 183	82 285	1 680	3 165	56 182	146 960	214 894	362 588	5 137
336212	Truck trailer manufacturing ..	—	14	10	976	29 556	701	1 341	19 113	50 224	95 111	146 492	1 173
336214	Travel trailer and camper manufacturing	1	23	8	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	508	334	109 338	4 998 709	90 312	170 780	3 874 974	11 753 121	19 570 684	31 235 448	1 366 915
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	47	19	15 658	611 367	13 829	17 575	482 962	1 100 376	4 847 331	5 937 391	231 314
336311	Carburetor, piston, piston ring, and valve manufacturing	—	7	2	508	22 144	390	768	12 815	53 499	18 866	71 791	2 315
336312	Gasoline engine and engine parts manufacturing	—	40	17	15 150	589 223	13 439	16 807	470 147	1 046 877	4 828 465	5 865 600	228 999
33632	Motor vehicle electrical and electronic equipment manufacturing	—	44	25	12 634	594 914	9 487	18 229	402 699	975 508	1 604 692	2 604 494	47 281
336321	Vehicular lighting equipment manufacturing	—	8	4	g	D	D	D	D	D	D	D	11 586
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	36	21	j	D	D	D	D	D	D	D	35 695
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	23	19	5 958	228 336	4 920	9 644	165 174	792 412	731 497	1 520 875	81 620
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	23	19	5 958	228 336	4 920	9 644	165 174	792 412	731 497	1 520 875	81 620
33634	Motor vehicle brake system manufacturing	—	33	24	8 944	344 416	7 505	14 729	268 095	1 053 365	1 627 913	2 679 751	112 185
336340	Motor vehicle brake system manufacturing	—	33	24	8 944	344 416	7 505	14 729	268 095	1 053 365	1 627 913	2 679 751	112 185
33635	Motor vehicle transmission and power train parts manufacturing	—	41	28	14 650	917 693	11 859	26 636	744 580	2 123 965	3 452 783	5 514 903	292 287
336350	Motor vehicle transmission and power train parts manufacturing	—	41	28	14 650	917 693	11 859	26 636	744 580	2 123 965	3 452 783	5 514 903	292 287
33636	Motor vehicle seating and interior trim manufacturing	—	28	26	6 801	237 065	5 408	10 896	174 291	581 825	1 596 313	2 170 798	58 683
336360	Motor vehicle seating and interior trim manufacturing ..	—	28	26	6 801	237 065	5 408	10 896	174 291	581 825	1 596 313	2 170 798	58 683
33637	Motor vehicle metal stamping ..	—	161	115	30 163	1 513 061	25 441	48 467	1 224 607	3 278 887	3 083 834	6 343 416	297 329
336370	Motor vehicle metal stamping	—	161	115	30 163	1 513 061	25 441	48 467	1 224 607	3 278 887	3 083 834	6 343 416	297 329
33639	Other motor vehicle parts manufacturing	—	131	78	14 530	551 857	11 863	24 604	412 566	1 846 783	2 626 321	4 463 820	246 216
336391	Motor vehicle air-conditioning manufacturing	—	7	5	g	D	D	D	D	D	D	D	34 000
336399	All other motor vehicle parts manufacturing	1	124	73	j	D	D	D	D	D	D	D	212 216
3364	Aerospace product and parts manufacturing	—	67	41	14 309	879 806	6 166	13 061	298 284	3 940 813	3 261 988	7 226 559	314 401
33641	Aerospace product and parts manufacturing	—	67	41	14 309	879 806	6 166	13 061	298 284	3 940 813	3 261 988	7 226 559	314 401
336412	Aircraft engine and engine parts manufacturing	—	31	25	10 011	634 788	4 038	8 595	195 935	2 915 379	2 875 586	5 823 327	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	28	14	h	D	D	D	D	D	D	D	18 559
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing	5	8	3	456	14 443	342	575	8 691	30 311	28 174	63 041	718
33651	Railroad rolling stock manufacturing	5	8	3	456	14 443	342	575	8 691	30 311	28 174	63 041	718
336510	Railroad rolling stock manufacturing	5	8	3	456	14 443	342	575	8 691	30 311	28 174	63 041	718
3366	Ship and boat building	—	15	3	469	13 355	393	753	9 792	15 758	53 900	69 658	D
33661	Ship and boat building	—	15	3	469	13 355	393	753	9 792	15 758	53 900	69 658	D
336612	Boat building	—	12	3	453	12 672	379	725	9 268	14 909	53 578	68 487	1 448
3369	Other transportation equipment manufacturing	—	33	12	2 379	122 494	1 684	3 531	78 303	454 453	919 384	1 381 571	D
33699	Other transportation equipment manufacturing	—	33	12	2 379	122 494	1 684	3 531	78 303	454 453	919 384	1 381 571	D
336991	Motorcycle, bicycle, and parts manufacturing	—	15	5	g	D	D	D	D	D	D	D	D
336992	Military armored vehicle, tank, and tank component manufacturing	—	5	5	1 084	56 417	711	1 690	33 673	174 383	256 360	437 873	756

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OHIO—Con.													
336	Transportation equipment manufacturing—Con.												
3369	Other transportation equipment manufacturing—Con.												
33699	Other transportation equipment manufacturing—Con.												
336999	All other transportation equipment manufacturing ..	1	13	2	e	D	D	D	D	D	D	D	639
337	Furniture and related product manufacturing	—	'808	'150	'22 467	'671 044	'17 421	'36 078	'469 516	'1 970 001	'1 534 464	'3 496 102	'65 573
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	'606	'66	'15 896	'447 573	'12 598	'26 817	'329 488	'1 474 205	'1 154 595	'2 625 268	'48 081
33711	Wood kitchen cabinet and countertop manufacturing	—	334	27	8 159	249 499	6 807	14 714	188 045	884 020	624 513	1 520 039	24 739
337110	Wood kitchen cabinet and countertop manufacturing ..	—	334	27	8 159	249 499	6 807	14 714	188 045	884 020	624 513	1 520 039	24 739
33712	Household and institutional furniture manufacturing	1	'272	'39	'7 737	'198 074	'5 791	'12 103	'141 443	'590 185	'530 082	'1 105 229	'23 342
337121	Upholstered household furniture manufacturing	—	43	6	1 047	33 732	886	1 695	25 604	57 622	49 347	106 297	1 356
337122	Nonupholstered wood household furniture manufacturing	—	'181	'17	'4 388	'98 910	'3 068	'6 793	'70 341	'348 534	'303 949	'642 178	'7 572
337124	Metal household furniture manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
337125	Household furniture (except wood and metal) manufacturing	9	6	3	f	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	1	28	10	987	32 414	743	1 556	21 036	80 086	49 260	129 193	D
3372	Office furniture (including fixtures) manufacturing	1	175	71	5 439	186 673	4 042	7 788	114 864	372 141	282 268	649 908	14 290
33721	Office furniture (including fixtures) manufacturing	1	175	71	5 439	186 673	4 042	7 788	114 864	372 141	282 268	649 908	14 290
337211	Wood office furniture manufacturing	1	18	4	e	D	D	D	D	D	D	D	1 004
337212	Custom architectural woodwork and millwork manufacturing	1	63	31	1 857	69 914	1 237	2 558	37 726	135 576	99 674	231 883	D
337215	Showcase, partition, shelving, and locker manufacturing	1	91	36	3 208	104 911	2 521	4 677	69 705	208 678	163 548	370 703	7 831
3379	Other furniture related product manufacturing	—	27	13	1 132	36 798	781	1 473	25 164	123 655	97 601	220 926	3 202
33791	Mattress manufacturing	—	14	8	802	28 760	612	1 179	20 934	108 440	82 734	191 277	2 315
337910	Mattress manufacturing	—	14	8	802	28 760	612	1 179	20 934	108 440	82 734	191 277	2 315
33792	Blind and shade manufacturing	1	13	5	330	8 038	169	294	4 230	15 215	14 867	29 649	887
337920	Blind and shade manufacturing	1	13	5	330	8 038	169	294	4 230	15 215	14 867	29 649	887
339	Miscellaneous manufacturing	1	'1 235	'306	'33 732	'1 175 624	'22 695	'43 853	'604 004	'3 051 939	'1 913 246	'4 936 337	'151 203
3391	Medical equipment and supplies manufacturing	1	428	103	13 673	521 318	8 661	17 039	244 660	1 460 348	808 106	2 277 861	71 652
33911	Medical equipment and supplies manufacturing	1	428	103	13 673	521 318	8 661	17 039	244 660	1 460 348	808 106	2 277 861	71 652
339111	Laboratory apparatus and furniture manufacturing	—	16	11	2 028	89 415	1 157	2 236	37 952	208 212	132 850	342 056	9 503
339112	Surgical and medical instrument manufacturing ..	3	45	21	3 217	129 491	1 956	4 025	54 726	325 921	121 758	457 532	19 458
339113	Surgical appliance and supplies manufacturing	—	87	40	6 101	235 034	3 873	7 788	107 977	794 512	493 795	1 287 036	35 036
339114	Dental equipment and supplies manufacturing	1	26	2	252	8 427	173	265	4 651	18 991	8 054	26 462	523
339115	Ophthalmic goods manufacturing	3	28	9	607	17 956	407	760	9 529	44 901	35 818	80 309	4 126
339116	Dental laboratories	4	226	20	1 468	40 995	1 095	1 965	29 825	67 811	15 831	84 466	3 006
3399	Other miscellaneous manufacturing	1	'807	'203	'20 059	'654 306	'14 034	'26 814	'359 344	'1 591 591	'1 105 140	'2 658 476	'79 551
33991	Jewelry and silverware manufacturing	3	55	7	561	17 869	401	746	9 731	39 956	44 495	83 912	604
339911	Jewelry (except costume) manufacturing	2	26	2	268	8 987	196	374	5 221	21 002	31 541	52 151	259
339912	Silverware and hollowware manufacturing	4	12	4	187	5 827	132	240	3 243	11 299	6 283	17 558	D
339914	Costume jewelry and novelty manufacturing	3	15	1	c	D	D	D	D	D	D	D	102
33992	Sporting and athletic goods manufacturing	2	58	13	691	21 799	499	942	12 196	58 776	53 035	111 272	1 435
339920	Sporting and athletic goods manufacturing	2	58	13	691	21 799	499	942	12 196	58 776	53 035	111 272	1 435
33993	Doll, toy, and game manufacturing	—	37	17	2 705	78 822	2 000	3 390	42 437	293 636	133 033	409 893	25 735
339931	Doll and stuffed toy manufacturing	1	5	3	277	7 271	129	249	2 279	22 286	14 550	37 040	D
339932	Game, toy, and children's vehicle manufacturing	—	32	14	2 428	71 551	1 871	3 141	40 158	271 350	118 483	372 853	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	All establishments ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	OHIO—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
33994	Office supplies (except paper) manufacturing	3	38	11	733	23 757	416	836	11 279	51 018	41 100	93 209	890
339942	Lead pencil and art good manufacturing	—	9	4	297	9 541	178	379	4 801	24 286	17 980	43 273	D
339943	Marking device manufacturing	1	22	4	c	D	D	D	D	D	D	D	188
339944	Carbon paper and inked ribbon manufacturing	8	6	3	203	7 046	114	220	3 487	13 150	15 619	28 778	412
33995	Sign manufacturing	1	291	63	4 951	167 419	3 184	6 075	82 963	342 639	209 940	551 888	9 864
339950	Sign manufacturing	1	291	63	4 951	167 419	3 184	6 075	82 963	342 639	209 940	551 888	9 864
33999	All other miscellaneous manufacturing	1	'328	'92	'10 418	'344 640	'7 534	'14 825	'200 738	'805 566	'623 537	'1 408 302	'41 023
339991	Gasket, packing, and sealing device manufacturing	1	43	21	2 864	106 568	2 077	4 292	66 277	218 312	141 518	356 817	12 754
339992	Musical instrument manufacturing	—	23	8	670	21 846	573	1 132	16 889	62 331	18 850	68 969	1 250
339994	Broom, brush, and mop manufacturing	—	26	14	2 227	73 640	1 533	3 021	38 394	184 119	190 255	371 826	11 802
339995	Burial casket manufacturing	1	8	1	179	7 389	137	290	4 856	19 106	25 265	44 093	1 411
339999	All other miscellaneous manufacturing	1	'222	'47	'4 436	'133 758	'3 184	'6 034	'73 518	'318 317	'245 810	'561 815	'13 563

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Industries 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.

⁴Number 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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA												
31-33	Manufacturing	1	2 705	999	129 388	5 467 946	87 341	176 279	3 128 754	17 517 847	18 179 034	35 771 972	1 600 698
311	Food manufacturing	2	169	68	12 402	417 963	9 119	18 046	277 390	1 880 082	1 373 849	3 260 590	155 995
3112	Grain and oilseed milling	-	3	3	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	9	14	2	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	10	8	2 396	75 957	2 024	4 602	57 669	221 953	299 773	521 702	D
31141	Frozen food manufacturing	-	6	5	2 264	71 595	1 932	4 430	55 139	198 113	277 800	475 915	20 631
311412	Frozen specialty food manufacturing	-	6	5	2 264	71 595	1 932	4 430	55 139	198 113	277 800	475 915	20 631
3115	Dairy product manufacturing	-	6	5	1 380	39 548	875	1 234	20 315	94 764	145 926	241 136	D
31151	Dairy product (except frozen) manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	33	16	2 920	89 265	2 395	4 983	70 868	169 364	245 485	425 170	38 539
31161	Animal slaughtering and processing	-	33	16	2 920	89 265	2 395	4 983	70 868	169 364	245 485	425 170	38 539
311612	Meat processed from carcasses	-	17	10	2 411	76 793	1 966	4 061	61 273	135 515	203 891	349 586	37 375
311615	Poultry processing	-	5	2	314	6 775	297	632	6 179	20 731	14 167	34 968	D
3118	Bakeries and tortilla manufacturing	7	65	19	2 359	78 030	1 505	2 524	50 026	513 810	134 854	649 513	14 166
31181	Bread and bakery product manufacturing	2	60	16	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	2	43	7	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	15	7	929	32 159	411	587	12 947	99 024	29 194	128 935	3 521
31182	Cookie, cracker, and pasta manufacturing	9	5	3	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	33	15	2 696	100 953	1 860	3 790	56 640	447 854	383 991	827 847	59 898
31194	Seasoning and dressing manufacturing	-	11	7	1 492	58 908	965	1 826	29 747	289 488	235 447	523 294	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	-	7	5	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	5	15	4	935	31 068	766	1 702	22 944	94 118	102 575	194 358	7 044
311991	Perishable prepared food manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	-	12	2	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	5	13	9	1 878	76 088	1 494	3 039	54 103	639 372	675 301	1 326 939	35 893
3121	Beverage manufacturing	5	13	9	1 878	76 088	1 494	3 039	54 103	639 372	675 301	1 326 939	35 893
31211	Soft drink and ice manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries	9	3	3	g	D	D	D	D	D	D	D	D
312120	Breweries	9	3	3	g	D	D	D	D	D	D	D	D
313	Textile mills	1	14	5	e	D	D	D	D	D	D	D	D
3132	Fabric mills	1	10	4	e	D	D	D	D	D	D	D	D
31322	Narrow fabric mills and schiffli machine embroidery	-	6	3	e	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	-	2	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	47	16	1 444	38 211	1 115	2 118	26 082	135 491	147 414	283 306	D
3141	Textile furnishings mills	1	18	9	980	25 290	811	1 530	18 951	90 976	129 371	220 711	D
31412	Curtain and linen mills	-	16	8	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	-	8	6	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	-	29	7	464	12 921	304	588	7 131	44 515	18 043	62 595	D
31499	All other textile product mills ...	-	21	5	342	9 341	240	459	5 587	36 872	14 970	51 621	D
314999	All other miscellaneous textile product mills	-	21	5	342	9 341	240	459	5 587	36 872	14 970	51 621	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
321	Wood product manufacturing	2	71	20	g	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	—	8	5	612	19 664	448	966	12 276	50 338	53 913	100 915	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	8	5	612	19 664	448	966	12 276	50 338	53 913	100 915	D
321211	Hardwood veneer and plywood manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	55	14	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	3	13	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	100	70	i	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	—	11	11	1 845	93 955	1 384	3 043	61 926	403 013	284 204	690 878	19 741
32212	Paper mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
322121	Paper (except newsprint) mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
32213	Paperboard mills	—	5	5	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	5	5	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	—	89	59	i	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	47	35	3 409	136 118	2 540	5 322	81 514	364 887	465 044	830 950	28 766
322211	Corrugated and solid fiber box manufacturing	—	27	21	2 122	85 059	1 541	3 350	47 970	226 441	309 288	537 155	14 079
322212	Folding paperboard box manufacturing	—	9	6	866	37 108	698	1 508	25 424	94 692	112 908	207 184	10 615
322214	Fiber can, tube, drum, and similar products manufacturing	—	9	6	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	—	17	8	g	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	7	2	e	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	2	11	6	516	16 633	388	755	11 525	28 927	38 810	67 679	1 074
322232	Envelope manufacturing	2	4	3	295	9 224	231	473	7 270	16 102	22 950	39 064	D
32229	Other converted paper product manufacturing	—	14	10	1 135	36 424	853	1 700	21 092	84 721	141 861	223 003	10 464
322299	All other converted paper product manufacturing	—	14	10	1 135	36 424	853	1 700	21 092	84 721	141 861	223 003	10 464
323	Printing and related support activities	—	'360	'103	'9 106	'348 967	'6 550	'13 024	'226 008	'783 344	'472 560	'1 258 938	'66 557
3231	Printing and related support activities	—	'360	'103	'9 106	'348 967	'6 550	'13 024	'226 008	'783 344	'472 560	'1 258 938	'66 557
32311	Printing	'1	'323	'88	'8 158	'302 192	'5 897	'11 726	'196 863	'676 676	'455 303	'1 135 230	'56 957
323110	Commercial lithographic printing	—	143	49	i	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	—	26	15	882	34 143	634	1 291	19 868	109 617	102 995	212 161	5 165
323113	Commercial screen printing	'1	'33	'5	'462	'16 595	'308	'579	'9 274	'32 119	'26 594	'58 859	'5 396
323114	Quick printing	3	68	3	e	D	D	D	D	D	D	D	D
323117	Books printing	—	7	3	305	11 709	248	483	8 246	15 587	13 100	29 376	525
32312	Support activities for printing	—	37	15	948	46 775	653	1 298	29 145	106 668	17 257	123 708	9 600
323122	Prepress services	—	26	11	759	42 371	493	974	25 793	98 236	14 791	112 832	D
324	Petroleum and coal products manufacturing	1	41	7	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	1	41	7	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	3	33	5	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing	3	6	3	339	13 130	282	634	9 198	47 794	87 235	133 585	2 901
32419	Other petroleum and coal products manufacturing	—	6	2	579	28 444	296	372	11 981	62 619	153 839	218 779	D
324191	Petroleum lubricating oil and grease manufacturing	—	6	2	579	28 444	296	372	11 981	62 619	153 839	218 779	D
325	Chemical manufacturing	—	151	72	8 476	431 359	5 139	10 638	244 572	2 519 964	1 906 239	4 408 390	417 985

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
325	Chemical manufacturing—Con.												
3251	Basic chemical manufacturing . . .	1	32	16	2 456	132 813	1 551	3 290	79 507	400 777	670 921	1 079 646	33 534
32513	Synthetic dye and pigment manufacturing	1	8	5	954	49 327	580	1 266	28 550	121 846	218 086	338 886	9 063
325132	Synthetic organic dye and pigment manufacturing	1	5	4	f	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	—	9	2	e	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	—	9	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	1	8	6	1 078	63 228	722	1 506	39 716	208 168	361 629	577 241	13 129
325199	All other basic organic chemical manufacturing	1	6	5	g	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
32521	Resin and synthetic rubber manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
325211	Plastics material and resin manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
3254	Pharmaceutical and medicine manufacturing	5	9	3	280	11 808	148	248	6 326	65 017	41 889	99 962	D
32541	Pharmaceutical and medicine manufacturing	5	9	3	280	11 808	148	248	6 326	65 017	41 889	99 962	D
325412	Pharmaceutical preparation manufacturing	5	5	3	257	10 743	135	231	6 009	61 974	40 178	95 197	D
3255	Paint, coating, and adhesive manufacturing	—	32	17	1 121	50 358	605	1 167	20 898	209 800	203 308	412 694	11 501
32551	Paint and coating manufacturing	1	21	12	741	33 891	350	730	12 368	136 858	140 517	277 532	10 287
325510	Paint and coating manufacturing	1	21	12	741	33 891	350	730	12 368	136 858	140 517	277 532	10 287
32552	Adhesive manufacturing	—	11	5	380	16 467	255	437	8 530	72 942	62 791	135 162	1 214
325520	Adhesive manufacturing	—	11	5	380	16 467	255	437	8 530	72 942	62 791	135 162	1 214
3256	Soap, cleaning compound, and toilet preparation manufacturing	—	28	16	h	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	—	20	10	g	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	10	6	845	51 137	611	1 243	39 534	612 906	216 734	833 078	D
325612	Polish and other sanitation good manufacturing	4	8	3	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	—	39	13	f	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing	—	14	8	559	26 609	241	426	10 262	91 641	98 835	190 669	D
325910	Printing ink manufacturing	—	14	8	559	26 609	241	426	10 262	91 641	98 835	190 669	D
32599	All other chemical product and preparation manufacturing	1	24	5	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	—	17	4	336	12 447	167	312	6 554	55 124	28 710	85 912	D
326	Plastics and rubber products manufacturing	2	142	77	9 331	316 525	6 958	14 099	208 163	966 317	750 258	1 722 204	56 538
3261	Plastics product manufacturing	2	127	72	8 932	303 997	6 654	13 482	199 894	945 198	731 584	1 681 114	54 261
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	5	17	9	1 648	55 252	1 187	2 244	38 010	217 030	203 483	419 747	15 600
326111	Plastics bag manufacturing	1	4	4	676	18 308	438	776	13 260	39 900	53 036	93 199	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	7	10	3	816	30 034	623	1 188	19 768	148 959	123 841	271 200	11 663
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	1	9	6	902	32 062	715	1 427	20 666	100 973	75 491	176 929	9 227
326121	Unlaminated plastics profile shape manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
326122	Plastics pipe and pipe fitting manufacturing	3	5	4	e	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing	3	9	6	492	17 230	403	906	12 671	41 171	33 242	74 225	2 433
326140	Polystyrene foam product manufacturing	3	9	6	492	17 230	403	906	12 671	41 171	33 242	74 225	2 433

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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	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32616	Plastics bottle manufacturing ..	—	6	5	562	22 570	493	1 108	18 406	41 149	81 743	122 865	D
326160	Plastics bottle manufacturing	—	6	5	562	22 570	493	1 108	18 406	41 149	81 743	122 865	D
32619	Other plastics product manufacturing	2	75	42	4 475	147 099	3 285	6 631	87 001	428 063	278 648	704 260	20 559
326199	All other plastics product manufacturing	2	73	41	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	15	5	399	12 528	304	617	8 269	21 119	18 674	41 090	2 277
327	Nonmetallic mineral product manufacturing	1	125	50	h	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	—	18	6	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	18	6	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	13	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	71	32	g	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	2	48	21	f	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	2	48	21	f	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing	1	10	5	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing	—	13	6	477	14 823	331	690	7 592	36 915	15 700	52 654	2 372
327390	Other concrete product manufacturing	—	13	6	477	14 823	331	690	7 592	36 915	15 700	52 654	2 372
3279	Other nonmetallic mineral product manufacturing	2	23	7	347	13 846	223	422	6 656	34 187	30 461	65 036	D
32799	All other nonmetallic mineral product manufacturing	2	20	6	296	11 793	189	368	5 776	25 448	23 915	49 638	D
331	Primary metal manufacturing	—	44	27	i	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	4	4	h	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	5	5	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	5	2	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	—	2	1	e	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries	1	28	14	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	3	8	7	f	D	D	D	D	D	D	D	D
331511	Iron foundries	4	6	6	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	20	7	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	—	1	1	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	—	13	6	475	17 415	377	772	12 094	30 711	17 313	48 290	D
332	Fabricated metal product manufacturing	1	559	177	18 056	705 920	13 398	25 645	451 998	1 458 948	1 258 603	2 736 392	72 715
3321	Forging and stamping	1	25	9	f	D	D	D	D	D	D	D	D
33211	Forging and stamping	1	25	9	f	D	D	D	D	D	D	D	D
332116	Metal stamping	1	18	8	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	18	5	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	18	5	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	15	3	f	D	D	D	D	D	D	D	D

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

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	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	2	100	34	h	D	D	D	D	D	D	D	6 562
33231	Plate work and fabricated structural product manufacturing	3	49	14	g	D	D	D	D	D	D	D	3 211
332312	Fabricated structural metal manufacturing	3	36	10	f	D	D	D	D	D	D	D	1 868
332313	Plate work manufacturing ...	5	8	3	263	11 376	167	332	5 335	19 651	25 036	51 068	D
33232	Ornamental and architectural metal products manufacturing	1	51	20	2 266	81 004	1 705	3 233	51 527	129 775	160 466	290 264	3 351
332321	Metal window and door manufacturing	—	9	6	1 258	45 787	916	1 737	27 050	62 965	107 899	170 128	1 657
332322	Sheet metal work manufacturing	2	30	11	848	29 165	681	1 289	20 863	51 832	42 328	94 976	1 479
3324	Boiler, tank, and shipping container manufacturing	—	11	5	2 292	83 175	2 120	3 084	73 150	43 514	90 355	139 963	2 040
33242	Metal tank (heavy gauge) manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
33251	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
332510	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
3326	Spring and wire product manufacturing	—	13	9	1 386	62 026	918	1 887	32 711	215 788	160 567	375 478	10 165
33261	Spring and wire product manufacturing	—	13	9	1 386	62 026	918	1 887	32 711	215 788	160 567	375 478	10 165
332611	Spring (heavy gauge) manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	—	3	2	351	12 448	283	576	8 698	29 040	26 561	55 555	D
332618	Other fabricated wire product manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing	1	238	49	h	D	D	D	D	D	D	D	D
33271	Machine shops	2	201	28	2 432	97 374	1 806	3 595	66 279	211 493	76 386	291 595	11 462
332710	Machine shops	2	201	28	2 432	97 374	1 806	3 595	66 279	211 493	76 386	291 595	11 462
33272	Turned product and screw, nut, and bolt manufacturing	—	37	21	g	D	D	D	D	D	D	D	D
332721	Precision turned product manufacturing	—	28	16	g	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	9	5	328	11 750	241	472	7 482	25 133	13 733	39 023	1 722
3328	Coating, engraving, heat treating, and allied activities	—	68	25	1 833	73 955	1 328	2 856	47 281	180 022	174 900	354 734	7 822
33281	Coating, engraving, heat treating, and allied activities ..	—	68	25	1 833	73 955	1 328	2 856	47 281	180 022	174 900	354 734	7 822
332811	Metal heat treating	—	14	7	529	23 456	384	891	15 096	74 741	96 942	171 433	3 201
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	21	8	809	32 750	583	1 200	20 381	68 289	67 235	135 556	3 451
332813	Electroplating, plating, polishing, anodizing, and coloring	—	33	10	495	17 749	361	765	11 804	36 992	10 723	47 745	1 170
3329	Other fabricated metal product manufacturing	1	70	32	h	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	12	8	g	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	—	4	3	540	20 947	282	579	8 072	39 364	48 305	88 916	1 160
33299	All other fabricated metal product manufacturing	1	58	24	1 769	75 107	1 228	2 412	42 359	173 730	136 748	310 621	9 906
332993	Ammunition (except small arms) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	1	34	18	1 163	47 564	857	1 664	29 221	110 114	72 078	177 496	D
333	Machinery manufacturing	—	276	113	j	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	1	14	5	e	D	D	D	D	D	D	D	6 090

See footnotes at end of table.

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

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	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
333	Machinery manufacturing—Con.												
3332	Industrial machinery manufacturing	—	45	19	2 321	114 561	1 078	1 803	42 720	150 363	348 447	514 184	13 166
33322	Plastics and rubber industry machinery manufacturing	—	8	2	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	8	2	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	1	37	17	g	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing	—	8	4	e	D	D	D	D	D	D	D	805
333293	Printing machinery and equipment manufacturing ..	3	11	2	e	D	D	D	D	D	D	D	425
333298	All other industrial machinery manufacturing	—	15	8	636	29 256	328	660	13 103	54 152	84 772	138 454	10 601
3333	Commercial and service industry machinery manufacturing	—	23	9	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	—	23	9	g	D	D	D	D	D	D	D	D
333311	Automatic vending machine manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	—	12	3	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	15	10	982	37 967	650	1 397	19 701	101 823	64 833	169 955	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	15	10	982	37 967	650	1 397	19 701	101 823	64 833	169 955	D
333412	Industrial and commercial fan and blower manufacturing ..	—	4	3	264	10 188	206	463	7 316	34 278	14 355	48 696	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	1	5	5	541	20 379	344	742	9 616	48 991	40 754	92 890	D
3335	Metalworking machinery manufacturing	—	88	24	h	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	—	88	24	h	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing	—	8	5	1 662	82 635	660	915	22 899	135 382	255 083	406 056	4 720
333513	Machine tool (metal forming types) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	3	38	9	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	—	12	8	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	—	12	8	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	—	3	3	275	11 467	196	582	7 781	50 736	90 701	140 472	1 436
3339	Other general purpose machinery manufacturing	—	79	38	h	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	—	12	9	1 072	43 212	551	1 057	15 191	130 908	131 744	264 756	2 330
333911	Pump and pumping equipment manufacturing ..	—	8	6	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	—	3	2	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
33392	Material handling equipment manufacturing	—	23	13	1 310	47 814	738	1 480	25 622	138 341	134 037	274 398	2 890
333922	Conveyor and conveying equipment manufacturing ..	—	16	9	999	38 362	520	1 110	19 947	120 182	100 866	222 999	1 681
33399	All other general purpose machinery manufacturing	—	44	16	g	D	D	D	D	D	D	D	D
333991	Power-driven handtool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	—	10	3	675	37 447	380	805	16 611	72 297	39 812	112 024	D
333999	All other miscellaneous general purpose machinery manufacturing	—	20	7	f	D	D	D	D	D	D	D	D

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	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
334	Computer and electronic product manufacturing	—	80	29	h	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	8	3	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	6	2									
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	6	2	467	24 979	77	147	1 700	54 169	20 420	78 701	D
3343	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	26	12	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	26	12	g	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	—	9	3	261	10 698	179	353	5 790	21 730	11 789	33 750	987
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	32	10	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	32	10	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	10	3	296	15 387	91	181	3 256	36 807	23 985	61 632	340
334514	Totalizing fluid meter and counting device manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	1	59	30	3 915	148 607	2 497	4 752	75 905	456 240	316 761	775 009	11 830
3351	Electric lighting equipment manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	—	6	5	f	D	D	D	D	D	D	D	2 924
335129	Other lighting equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	1	36	13	1 506	63 851	974	1 864	34 653	143 514	92 241	237 539	5 380
33531	Electrical equipment manufacturing	1	36	13	1 506	63 851	974	1 864	34 653	143 514	92 241	237 539	5 380
335312	Motor and generator manufacturing	—	7	4	513	21 169	343	729	12 767	52 005	23 857	77 793	2 758
335313	Switchgear and switchboard apparatus manufacturing	—	11	5	683	30 369	440	754	17 304	58 336	45 656	104 129	D
335314	Relay and industrial control manufacturing	5	15	3	e	D	D	D	D	D	D	D	414
3359	Other electrical equipment and component manufacturing	2	14	10	1 189	44 903	742	1 393	21 882	134 501	79 603	214 120	D
33593	Wiring device manufacturing	3	6	3	744	27 093	514	916	14 223	80 586	54 920	136 003	1 497
335931	Current-carrying wiring device manufacturing	3	6	3	744	27 093	514	916	14 223	80 586	54 920	136 003	1 497

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CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.													
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing—Con.												
33599	All other electrical equipment and component manufacturing	-	7	6	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	-	6	5	e	D	D	D	D	D	D	D	508
336	Transportation equipment manufacturing	-	73	41	17 748	1 023 586	9 891	21 493	481 657	4 212 537	5 079 225	9 278 137	D
3363	Motor vehicle parts manufacturing	-	44	26	i	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	5	5	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	5	5	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	3	3	4 230	281 033	2 955	7 453	209 598	841 989	1 383 379	2 180 494	102 132
336350	Motor vehicle transmission and power train parts manufacturing	-	3	3	4 230	281 033	2 955	7 453	209 598	841 989	1 383 379	2 180 494	102 132
33637	Motor vehicle metal stamping ..	-	12	6	934	38 570	633	1 203	21 177	107 823	58 895	166 631	28 041
336370	Motor vehicle metal stamping	-	12	6	934	38 570	633	1 203	21 177	107 823	58 895	166 631	28 041
33639	Other motor vehicle parts manufacturing	-	13	6	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	13	6	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	15	8	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	15	8	i	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	10	8	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	119	26	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	74	7	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	3	47	4	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	3	47	4	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	1	40	16	1 133	39 437	795	1 509	21 594	74 585	58 200	131 008	3 975
33721	Office furniture (including fixtures) manufacturing	1	40	16	1 133	39 437	795	1 509	21 594	74 585	58 200	131 008	3 975
337212	Custom architectural woodwork and millwork manufacturing	1	20	7	588	20 895	406	753	11 058	35 499	32 841	67 020	723
337215	Showcase, partition, shelving, and locker manufacturing	-	15	8	447	15 160	320	608	8 433	31 040	20 395	51 001	D
3379	Other furniture related product manufacturing	-	5	3	271	7 034	160	336	4 979	32 349	24 643	57 031	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.													
339	Miscellaneous manufacturing	1	'233	'56	i	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	1	71	14	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	1	71	14	g	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing	5	9	4	498	20 192	302	597	9 917	59 883	23 882	84 521	2 200
339113	Surgical appliance and supplies manufacturing	—	9	4	f	D	D	D	D	D	D	D	D
339116	Dental laboratories	4	44	4	e	D	D	D	D	D	D	D	444
3399	Other miscellaneous manufacturing	1	'162	'42	h	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	1	9	5	282	9 412	157	309	3 873	19 858	16 303	36 127	748
33995	Sign manufacturing	—	'67	'17	g	D	D	D	D	D	D	D	D
339950	Sign manufacturing	—	'67	'17	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	51	13	973	31 825	703	1 420	18 520	95 176	66 412	164 389	9 701
339999	All other miscellaneous manufacturing	1	40	8	537	18 058	353	662	9 452	52 098	31 767	86 527	8 658
Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area													
31-33	Manufacturing	1	2 658	975	125 193	5 327 773	84 151	169 988	3 043 912	17 150 043	17 695 513	34 928 580	1 564 217
311	Food manufacturing	2	169	68	12 402	417 963	9 119	18 046	277 390	1 880 082	1 373 849	3 260 590	155 995
3112	Grain and oilseed milling	—	3	3	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	9	14	2	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	—	10	8	2 396	75 957	2 024	4 602	57 669	221 953	299 773	521 702	D
31141	Frozen food manufacturing	—	6	5	2 264	71 595	1 932	4 430	55 139	198 113	277 800	475 915	20 631
311412	Frozen specialty food manufacturing	—	6	5	2 264	71 595	1 932	4 430	55 139	198 113	277 800	475 915	20 631
3115	Dairy product manufacturing	—	6	5	1 380	39 548	875	1 234	20 315	94 764	145 926	241 136	D
31151	Dairy product (except frozen) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	33	16	2 920	89 265	2 395	4 983	70 868	169 364	245 485	425 170	38 539
31161	Animal slaughtering and processing	—	33	16	2 920	89 265	2 395	4 983	70 868	169 364	245 485	425 170	38 539
311612	Meat processed from carcasses	—	17	10	2 411	76 793	1 966	4 061	61 273	135 515	203 891	349 586	37 375
311615	Poultry processing	—	5	2	314	6 775	297	632	6 179	20 731	14 167	34 968	D
3118	Bakeries and tortilla manufacturing	7	65	19	2 359	78 030	1 505	2 524	50 026	513 810	134 854	649 513	14 166
31181	Bread and bakery product manufacturing	2	60	16	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	2	43	7	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	15	7	929	32 159	411	587	12 947	99 024	29 194	128 935	3 521
31182	Cookie, cracker, and pasta manufacturing	9	5	3	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	33	15	2 696	100 953	1 860	3 790	56 640	447 854	383 991	827 847	59 898
31194	Seasoning and dressing manufacturing	—	11	7	1 492	58 908	965	1 826	29 747	289 488	235 447	523 294	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing	5	15	4	935	31 068	766	1 702	22 944	94 118	102 575	194 358	7 044
311991	Perishable prepared food manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	—	12	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
312	Beverage and tobacco product manufacturing	5	13	9	1 878	76 088	1 494	3 039	54 103	639 372	675 301	1 326 939	35 893
3121	Beverage manufacturing	5	13	9	1 878	76 088	1 494	3 039	54 103	639 372	675 301	1 326 939	35 893
31211	Soft drink and ice manufacturing	—	5	5	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries	9	3	3	g	D	D	D	D	D	D	D	D
312120	Breweries	9	3	3	g	D	D	D	D	D	D	D	D
313	Textile mills	1	14	5	e	D	D	D	D	D	D	D	D
3132	Fabric mills	1	10	4	e	D	D	D	D	D	D	D	D
31322	Narrow fabric mills and schiffli machine embroidery	—	6	3	e	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	—	2	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	47	16	1 444	38 211	1 115	2 118	26 082	135 491	147 414	283 306	D
3141	Textile furnishings mills	1	18	9	980	25 290	811	1 530	18 951	90 976	129 371	220 711	D
31412	Curtain and linen mills	—	16	8	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	8	6	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	—	29	7	464	12 921	304	588	7 131	44 515	18 043	62 595	D
31499	All other textile product mills	—	21	5	342	9 341	240	459	5 587	36 872	14 970	51 621	D
314999	All other miscellaneous textile product mills	—	21	5	342	9 341	240	459	5 587	36 872	14 970	51 621	D
321	Wood product manufacturing	2	69	19	1 406	40 892	1 092	2 230	27 718	93 965	112 247	202 111	13 721
3212	Veneer, plywood, and engineered wood product manufacturing	—	8	5	612	19 664	448	966	12 276	50 338	53 913	100 915	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	8	5	612	19 664	448	966	12 276	50 338	53 913	100 915	D
321211	Hardwood veneer and plywood manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	54	13	732	19 333	594	1 176	14 196	38 517	42 993	82 412	1 548
32199	All other wood product manufacturing	5	12	4	267	7 986	207	423	5 887	14 917	13 049	27 895	388
322	Paper manufacturing	—	99	69	8 215	325 596	6 150	12 773	201 320	996 907	1 088 360	2 083 462	63 657
3221	Pulp, paper, and paperboard mills	—	11	11	1 845	93 955	1 384	3 043	61 926	403 013	284 204	690 878	19 741
32212	Paper mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
322121	Paper (except newsprint) mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
32213	Paperboard mills	—	5	5	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	5	5	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	—	88	58	6 370	231 641	4 766	9 730	139 394	593 894	804 156	1 392 584	43 916
32221	Paperboard container manufacturing	—	47	35	3 409	136 118	2 540	5 322	81 514	364 887	465 044	830 950	28 766
322211	Corrugated and solid fiber box manufacturing	—	27	21	2 122	85 059	1 541	3 350	47 970	226 441	309 288	537 155	14 079
322212	Folding paperboard box manufacturing	—	9	6	866	37 108	698	1 508	25 424	94 692	112 908	207 184	10 615
322214	Fiber can, tube, drum, and similar products manufacturing	—	9	6	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	—	16	7	1 310	42 466	985	1 953	25 263	115 359	158 441	270 952	3 612
322222	Coated and laminated paper manufacturing	—	7	2	e	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	2	11	6	516	16 633	388	755	11 525	28 927	38 810	67 679	1 074
322232	Envelope manufacturing	2	4	3	295	9 224	231	473	7 270	16 102	22 950	39 064	D
32229	Other converted paper product manufacturing	—	14	10	1 135	36 424	853	1 700	21 092	84 721	141 861	223 003	10 464
322299	All other converted paper product manufacturing	—	14	10	1 135	36 424	853	1 700	21 092	84 721	141 861	223 003	10 464

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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
323	Printing and related support activities	—	'356	'102	'9 052	'347 519	'6 504	'12 947	'224 918	'780 079	'470 921	'1 254 007	'66 295
3231	Printing and related support activities	—	'356	'102	'9 052	'347 519	'6 504	'12 947	'224 918	'780 079	'470 921	'1 254 007	'66 295
32311	Printing	—	'319	'87	'8 104	'300 744	'5 851	'11 649	'195 773	'673 411	'453 664	'1 130 299	'56 695
323110	Commercial lithographic printing	—	141	48	5 316	198 929	3 853	7 815	133 802	426 236	266 329	694 989	36 853
323112	Commercial flexographic printing	—	26	15	882	34 143	634	1 291	19 868	109 617	102 995	212 161	5 165
323113	Commercial screen printing ..	'1	'33	'5	'462	'16 595	'308	'579	'9 274	'32 119	'26 594	'58 859	'5 396
323114	Quick printing	3	67	3	329	10 129	229	409	6 318	22 785	8 076	30 865	D
323117	Books printing	—	7	3	305	11 709	248	483	8 246	15 587	13 100	29 376	525
32312	Support activities for printing...	—	37	15	948	46 775	653	1 298	29 145	106 668	17 257	123 708	9 600
323122	Prepress services	—	26	11	759	42 371	493	974	25 793	98 236	14 791	112 832	D
324	Petroleum and coal products manufacturing	1	40	7	1 098	49 165	727	1 271	26 897	177 513	321 776	497 600	15 522
3241	Petroleum and coal products manufacturing	1	40	7	1 098	49 165	727	1 271	26 897	177 513	321 776	497 600	15 522
32412	Asphalt paving, roofing, and saturated materials manufacturing	3	32	5	e	D	D	D	D	D	D	D	13 228
324122	Asphalt shingle and coating materials manufacturing ...	3	6	3	339	13 130	282	634	9 198	47 794	87 235	133 585	2 901
32419	Other petroleum and coal products manufacturing	—	6	2	579	28 444	296	372	11 981	62 619	153 839	218 779	D
324191	Petroleum lubricating oil and grease manufacturing	—	6	2	579	28 444	296	372	11 981	62 619	153 839	218 779	D
325	Chemical manufacturing	—	151	72	8 476	431 359	5 139	10 638	244 572	2 519 964	1 906 239	4 408 390	417 985
3251	Basic chemical manufacturing ...	1	32	16	2 456	132 813	1 551	3 290	79 507	400 777	670 921	1 079 646	33 534
32513	Synthetic dye and pigment manufacturing	1	8	5	954	49 327	580	1 266	28 550	121 846	218 086	338 886	9 063
325132	Synthetic organic dye and pigment manufacturing ...	1	5	4	f	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	—	9	2	e	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing ...	—	9	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	1	8	6	1 078	63 228	722	1 506	39 716	208 168	361 629	577 241	13 129
325199	All other basic organic chemical manufacturing ...	1	6	5	g	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
32521	Resin and synthetic rubber manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
325211	Plastics material and resin manufacturing	—	6	5	899	49 966	628	1 464	31 455	154 124	196 928	351 643	D
3254	Pharmaceutical and medicine manufacturing	5	9	3	280	11 808	148	248	6 326	65 017	41 889	99 962	D
32541	Pharmaceutical and medicine manufacturing	5	9	3	280	11 808	148	248	6 326	65 017	41 889	99 962	D
325412	Pharmaceutical preparation manufacturing	5	5	3	257	10 743	135	231	6 009	61 974	40 178	95 197	D
3255	Paint, coating, and adhesive manufacturing	—	32	17	1 121	50 358	605	1 167	20 898	209 800	203 308	412 694	11 501
32551	Paint and coating manufacturing	1	21	12	741	33 891	350	730	12 368	136 858	140 517	277 532	10 287
325510	Paint and coating manufacturing	1	21	12	741	33 891	350	730	12 368	136 858	140 517	277 532	10 287
32552	Adhesive manufacturing	—	11	5	380	16 467	255	437	8 530	72 942	62 791	135 162	1 214
325520	Adhesive manufacturing	—	11	5	380	16 467	255	437	8 530	72 942	62 791	135 162	1 214
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	28	16	h	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	—	20	10	g	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	10	6	845	51 137	611	1 243	39 534	612 906	216 734	833 078	D
325612	Polish and other sanitation good manufacturing	4	8	3	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	8	6	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
325	Chemical manufacturing—Con.												
3259	Other chemical product and preparation manufacturing	—	39	13	f	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing	—	14	8	559	26 609	241	426	10 262	91 641	98 835	190 669	D
32599	All other chemical product and preparation manufacturing	—	14	8	559	26 609	241	426	10 262	91 641	98 835	190 669	D
325998	All other miscellaneous chemical product and preparation manufacturing	1	24	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	17	4	336	12 447	167	312	6 554	55 124	28 710	85 912	D
3261	Plastics product manufacturing	3	138	73	8 984	305 888	6 707	13 532	202 040	922 431	698 664	1 627 624	51 889
32611	Plastics packaging materials and un laminated film and sheet manufacturing	3	123	68	8 585	293 360	6 403	12 915	193 771	901 312	679 990	1 586 534	49 612
326111	Plastics bag manufacturing	5	17	9	1 648	55 252	1 187	2 244	38 010	217 030	203 483	419 747	15 600
326113	Un laminated plastics film and sheet (except packaging) manufacturing	1	4	4	676	18 308	438	776	13 260	39 900	53 036	93 199	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	7	10	3	816	30 034	623	1 188	19 768	148 959	123 841	271 200	11 663
326121	Un laminated plastics profile shape manufacturing	1	9	6	902	32 062	715	1 427	20 666	100 973	75 491	176 929	9 227
326122	Plastics pipe and pipe fitting manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	3	5	4	e	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing	3	9	6	492	17 230	403	906	12 671	41 171	33 242	74 225	2 433
32616	Plastics bottle manufacturing	3	9	6	492	17 230	403	906	12 671	41 171	33 242	74 225	2 433
326160	Plastics bottle manufacturing	—	6	5	562	22 570	493	1 108	18 406	41 149	81 743	122 865	D
32619	Other plastics product manufacturing	—	6	5	562	22 570	493	1 108	18 406	41 149	81 743	122 865	D
326199	All other plastics product manufacturing	3	71	38	4 128	136 462	3 034	6 064	80 878	384 177	227 054	609 680	15 910
3262	Rubber product manufacturing	3	69	37	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	15	5	399	12 528	304	617	8 269	21 119	18 674	41 090	2 277
327	Nonmetallic mineral product manufacturing	1	121	47	2 936	105 698	2 219	4 598	69 858	292 194	233 541	527 244	16 336
3272	Glass and glass product manufacturing	—	17	5	521	21 906	428	954	16 441	64 584	30 357	94 611	3 975
32721	Glass and glass product manufacturing	—	17	5	521	21 906	428	954	16 441	64 584	30 357	94 611	3 975
327215	Glass product manufacturing made of purchased glass	—	13	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	69	31	1 690	56 987	1 259	2 556	37 276	167 253	129 281	296 678	10 514
32732	Ready-mix concrete manufacturing	3	47	20	965	33 993	755	1 513	24 633	89 059	87 648	176 707	6 367
327320	Ready-mix concrete manufacturing	3	47	20	965	33 993	755	1 513	24 633	89 059	87 648	176 707	6 367
32739	Other concrete product manufacturing	—	13	6	477	14 823	331	690	7 592	36 915	15 700	52 654	2 372
327390	Other concrete product manufacturing	—	13	6	477	14 823	331	690	7 592	36 915	15 700	52 654	2 372
3279	Other nonmetallic mineral product manufacturing	2	23	7	347	13 846	223	422	6 656	34 187	30 461	65 036	D
32799	All other nonmetallic mineral product manufacturing	2	20	6	296	11 793	189	368	5 776	25 448	23 915	49 638	D
331	Primary metal manufacturing	—	42	25	5 938	315 637	4 738	10 213	240 676	298 813	1 746 975	2 059 623	D
3311	Iron and steel mills and ferroalloy manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	4	4	h	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	5	5	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing	—	5	2	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	—	2	1	e	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries	2	26	12	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	3	7	6	542	19 677	433	757	13 042	34 466	16 885	50 757	D
331511	Iron foundries	4	5	5	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	19	6	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	—	13	6	475	17 415	377	772	12 094	30 711	17 313	48 290	D
332	Fabricated metal product manufacturing	1	550	173	17 326	682 981	12 869	24 640	436 253	1 384 459	1 205 112	2 609 939	68 092
3321	Forging and stamping	1	23	7	637	27 857	495	998	19 019	20 754	78 971	102 400	6 750
33211	Forging and stamping	1	23	7	637	27 857	495	998	19 019	20 754	78 971	102 400	6 750
332116	Metal stamping	1	17	7	592	25 882	462	930	17 938	16 881	74 803	94 356	D
3322	Cutlery and handtool manufacturing	1	17	4	294	12 827	159	324	4 843	30 241	18 173	51 249	1 248
33221	Cutlery and handtool manufacturing	1	17	4	294	12 827	159	324	4 843	30 241	18 173	51 249	1 248
3323	Architectural and structural metals manufacturing	2	99	34	3 420	127 311	2 489	4 758	78 113	243 048	269 458	518 068	6 562
33231	Plate work and fabricated structural product manufacturing	3	48	14	1 154	46 307	784	1 525	26 586	113 273	108 992	227 804	3 211
332312	Fabricated structural metal manufacturing	3	35	10	750	29 082	548	1 061	19 356	72 451	70 514	142 096	1 868
332313	Plate work manufacturing	5	8	3	263	11 376	167	332	5 335	19 651	25 036	51 068	D
33232	Ornamental and architectural metal products manufacturing	1	51	20	2 266	81 004	1 705	3 233	51 527	129 775	160 466	290 264	3 351
332321	Metal window and door manufacturing	—	9	6	1 258	45 787	916	1 737	27 050	62 965	107 899	170 128	1 657
332322	Sheet metal work manufacturing	2	30	11	848	29 165	681	1 289	20 863	51 832	42 328	94 976	1 479
3324	Boiler, tank, and shipping container manufacturing	—	11	5	2 292	83 175	2 120	3 084	73 150	43 514	90 355	139 963	2 040
33242	Metal tank (heavy gauge) manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
33251	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
332510	Hardware manufacturing	2	16	9	670	23 340	487	990	13 587	57 055	49 055	105 081	4 184
3326	Spring and wire product manufacturing	—	13	9	1 386	62 026	918	1 887	32 711	215 788	160 567	375 478	10 165
33261	Spring and wire product manufacturing	—	13	9	1 386	62 026	918	1 887	32 711	215 788	160 567	375 478	10 165
332611	Spring (heavy gauge) manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	—	3	2	351	12 448	283	576	8 698	29 040	26 561	55 555	D
332618	Other fabricated wire product manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	234	49	4 044	158 734	3 047	6 102	107 082	344 410	149 678	497 863	17 339
33271	Machine shops	2	198	28	2 428	97 257	1 803	3 591	66 208	211 312	76 305	291 333	11 454
332710	Machine shops	2	198	28	2 428	97 257	1 803	3 591	66 208	211 312	76 305	291 333	11 454
33272	Turned product and screw, nut, and bolt manufacturing	—	36	21	1 616	61 477	1 244	2 511	40 874	133 098	73 373	206 530	5 885
332721	Precision turned product manufacturing	—	27	16	1 288	49 727	1 003	2 039	33 392	107 965	59 640	167 507	4 163
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	9	5	328	11 750	241	472	7 482	25 133	13 733	39 023	1 722

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	—	68	25	1 833	73 955	1 328	2 856	47 281	180 022	174 900	354 734	7 822
33281	Coating, engraving, heat treating, and allied activities ..	—	68	25	1 833	73 955	1 328	2 856	47 281	180 022	174 900	354 734	7 822
332811	Metal heat treating	—	14	7	529	23 456	384	891	15 096	74 741	96 942	171 433	3 201
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	21	8	809	32 750	583	1 200	20 381	68 289	67 235	135 556	3 451
332813	Electroplating, plating, polishing, anodizing, and coloring	—	33	10	495	17 749	361	765	11 804	36 992	10 723	47 745	1 170
3329	Other fabricated metal product manufacturing	1	69	31	2 750	113 756	1 826	3 641	60 467	249 627	213 955	465 103	11 982
33291	Metal valve manufacturing	—	11	7	981	38 649	598	1 229	18 108	75 897	77 207	154 482	2 076
332911	Industrial valve manufacturing	—	4	3	540	20 947	282	579	8 072	39 364	48 305	88 916	1 160
33299	All other fabricated metal product manufacturing	1	58	24	1 769	75 107	1 228	2 412	42 359	173 730	136 748	310 621	9 906
332993	Ammunition (except small arms) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	1	34	18	1 163	47 564	857	1 664	29 221	110 114	72 078	177 496	D
333	Machinery manufacturing	—	267	111	14 264	637 606	7 889	15 710	278 933	1 410 753	1 455 289	2 901 310	82 419
3331	Agriculture, construction, and mining machinery manufacturing	1	14	5	e	D	D	D	D	D	D	D	6 090
3332	Industrial machinery manufacturing	—	45	19	2 321	114 561	1 078	1 803	42 720	150 363	348 447	514 184	13 166
33322	Plastics and rubber industry machinery manufacturing	—	8	2	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	8	2	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	1	37	17	g	D	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing	—	8	4	e	D	D	D	D	D	D	D	805
333293	Printing machinery and equipment manufacturing ..	3	11	2	e	D	D	D	D	D	D	D	425
333298	All other industrial machinery manufacturing	—	15	8	636	29 256	328	660	13 103	54 152	84 772	138 454	10 601
3333	Commercial and service industry machinery manufacturing	—	22	9	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	—	22	9	g	D	D	D	D	D	D	D	D
333311	Automatic vending machine manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	—	11	3	429	14 943	294	683	8 440	41 654	40 651	81 581	3 756
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	15	10	982	37 967	650	1 397	19 701	101 823	64 833	169 955	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	15	10	982	37 967	650	1 397	19 701	101 823	64 833	169 955	D
333412	Industrial and commercial fan and blower manufacturing ..	—	4	3	264	10 188	206	463	7 316	34 278	14 355	48 696	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	1	5	5	541	20 379	344	742	9 616	48 991	40 754	92 890	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	—	82	22	3 343	164 060	1 695	2 917	69 509	258 889	321 386	603 734	9 719
33351	Metalworking machinery manufacturing	—	82	22	3 343	164 060	1 695	2 917	69 509	258 889	321 386	603 734	9 719
333512	Machine tool (metal cutting types) manufacturing	—	8	5	1 662	82 635	660	915	22 899	135 382	255 083	406 056	4 720
333513	Machine tool (metal forming types) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	1	34	7	449	18 609	322	602	12 311	34 311	13 942	48 789	1 269
3336	Engine, turbine, and power transmission equipment manufacturing	—	11	8	544	21 247	326	807	12 199	69 605	110 192	181 519	D
33361	Engine, turbine, and power transmission equipment manufacturing	—	11	8	544	21 247	326	807	12 199	69 605	110 192	181 519	D
333618	Other engine equipment manufacturing	—	3	3	275	11 467	196	582	7 781	50 736	90 701	140 472	1 436
3339	Other general purpose machinery manufacturing	—	78	38	4 506	193 226	2 450	4 598	82 388	470 674	448 543	920 688	17 448
33391	Pump and compressor manufacturing	—	12	9	1 072	43 212	551	1 057	15 191	130 908	131 744	264 756	2 330
333911	Pump and pumping equipment manufacturing ..	—	8	6	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	—	3	2	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
33392	Material handling equipment manufacturing	—	23	13	1 310	47 814	738	1 480	25 622	138 341	134 037	274 398	2 890
333922	Conveyor and conveying equipment manufacturing ..	—	16	9	999	38 362	520	1 110	19 947	120 182	100 866	222 999	1 681
33399	All other general purpose machinery manufacturing	—	43	16	2 124	102 200	1 161	2 061	41 575	201 425	182 762	381 534	12 228
333991	Power-driven handtool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	—	10	3	675	37 447	380	805	16 611	72 297	39 812	112 024	D
333999	All other miscellaneous general purpose machinery manufacturing	—	19	7	642	26 975	367	699	10 439	71 498	51 859	122 857	2 279
334	Computer and electronic product manufacturing	—	78	28	3 435	153 266	1 597	3 283	48 683	433 816	437 332	881 295	15 276
3342	Communications equipment manufacturing	—	8	3	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	6	2	467	24 979	77	147	1 700	54 169	20 420	78 701	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	6	2	467	24 979	77	147	1 700	54 169	20 420	78 701	D
3343	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	25	12	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	25	12	g	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	—	9	3	261	10 698	179	353	5 790	21 730	11 789	33 750	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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	31	9	1 213	63 230	334	686	12 201	283 847	107 847	392 635	3 441
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . .	1	31	9	1 213	63 230	334	686	12 201	283 847	107 847	392 635	3 441
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	10	3	296	15 387	91	181	3 256	36 807	23 985	61 632	340
335	Electrical equipment, appliance, and component manufacturing	1	59	30	3 915	148 607	2 497	4 752	75 905	456 240	316 761	775 009	11 830
3351	Electric lighting equipment manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing . .	—	6	5	f	D	D	D	D	D	D	D	2 924
335129	Other lighting equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	1	36	13	1 506	63 851	974	1 864	34 653	143 514	92 241	237 539	5 380
33531	Electrical equipment manufacturing	1	36	13	1 506	63 851	974	1 864	34 653	143 514	92 241	237 539	5 380
335312	Motor and generator manufacturing	—	7	4	513	21 169	343	729	12 767	52 005	23 857	77 793	2 758
335313	Switchgear and switchboard apparatus manufacturing . .	—	11	5	683	30 369	440	754	17 304	58 336	45 656	104 129	D
335314	Relay and industrial control manufacturing	5	15	3	e	D	D	D	D	D	D	D	414
3359	Other electrical equipment and component manufacturing	2	14	10	1 189	44 903	742	1 393	21 882	134 501	79 603	214 120	D
33593	Wiring device manufacturing . . .	3	6	3	744	27 093	514	916	14 223	80 586	54 920	136 003	1 497
335931	Current-carrying wiring device manufacturing	3	6	3	744	27 093	514	916	14 223	80 586	54 920	136 003	1 497
33599	All other electrical equipment and component manufacturing	—	7	6	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing . .	—	6	5	e	D	D	D	D	D	D	D	508
336	Transportation equipment manufacturing	—	68	38	16 655	991 550	8 918	19 761	461 236	4 079 137	4 958 051	9 027 156	471 035
3363	Motor vehicle parts manufacturing	—	40	23	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	4	4	1 087	47 261	716	1 596	24 871	174 568	201 760	378 792	12 508
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	4	4	1 087	47 261	716	1 596	24 871	174 568	201 760	378 792	12 508
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

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.												
	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33635	Motor vehicle transmission and power train parts manufacturing	—	3	3	4 230	281 033	2 955	7 453	209 598	841 989	1 383 379	2 180 494	102 132
336350	Motor vehicle transmission and power train parts manufacturing	—	3	3	4 230	281 033	2 955	7 453	209 598	841 989	1 383 379	2 180 494	102 132
33637	Motor vehicle metal stamping ..	—	12	6	934	38 570	633	1 203	21 177	107 823	58 895	166 631	28 041
336370	Motor vehicle metal stamping	—	12	6	934	38 570	633	1 203	21 177	107 823	58 895	166 631	28 041
33639	Other motor vehicle parts manufacturing	—	11	5	795	32 810	601	1 257	21 873	113 078	197 267	308 996	10 234
336399	All other motor vehicle parts manufacturing	—	11	5	795	32 810	601	1 257	21 873	113 078	197 267	308 996	10 234
3364	Aerospace product and parts manufacturing	—	15	8	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	15	8	i	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	10	8	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	118	26	1 975	61 949	1 413	2 718	37 909	137 127	103 831	239 128	6 404
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	73	7	571	15 478	458	873	11 336	30 193	20 988	51 089	D
33711	Wood kitchen cabinet and countertop manufacturing	3	46	4	344	9 670	266	492	6 740	17 947	10 251	28 286	1 170
337110	Wood kitchen cabinet and countertop manufacturing ..	3	46	4	344	9 670	266	492	6 740	17 947	10 251	28 286	1 170
3372	Office furniture (including fixtures) manufacturing	1	40	16	1 133	39 437	795	1 509	21 594	74 585	58 200	131 008	3 975
33721	Office furniture (including fixtures) manufacturing	1	40	16	1 133	39 437	795	1 509	21 594	74 585	58 200	131 008	3 975
337212	Custom architectural woodwork and millwork manufacturing	1	20	7	588	20 895	406	753	11 058	35 499	32 841	67 020	723
337215	Showcase, partition, shelving, and locker manufacturing	—	15	8	447	15 160	320	608	8 433	31 040	20 395	51 001	D
3379	Other furniture related product manufacturing	—	5	3	271	7 034	160	336	4 979	32 349	24 643	57 031	D
339	Miscellaneous manufacturing	1	230	54	5 085	176 049	3 446	6 729	95 460	457 041	330 444	791 832	21 119
3391	Medical equipment and supplies manufacturing	2	70	13	1 562	56 938	1 129	2 229	33 988	171 086	109 096	282 424	6 619
33911	Medical equipment and supplies manufacturing	2	70	13	1 562	56 938	1 129	2 229	33 988	171 086	109 096	282 424	6 619
339111	Laboratory apparatus and furniture manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	5	9	4	498	20 192	302	597	9 917	59 883	23 882	84 521	2 200
339113	Surgical appliance and supplies manufacturing	—	8	3	423	15 047	313	655	7 433	74 032	62 196	136 740	D
339116	Dental laboratories	4	44	4	e	D	D	D	D	D	D	D	444
3399	Other miscellaneous manufacturing	1	160	41	3 523	119 111	2 317	4 500	61 472	285 955	221 348	509 408	14 500
33994	Office supplies (except paper) manufacturing	1	9	5	282	9 412	157	309	3 873	19 858	16 303	36 127	748
33995	Sign manufacturing	—	66	17	1 866	64 404	1 196	2 316	33 276	135 443	100 664	235 219	3 077
339950	Sign manufacturing	—	66	17	1 866	64 404	1 196	2 316	33 276	135 443	100 664	235 219	3 077
33999	All other miscellaneous manufacturing	1	51	13	973	31 825	703	1 420	18 520	95 176	66 412	164 389	9 701
339999	All other miscellaneous manufacturing	1	40	8	537	18 058	353	662	9 452	52 098	31 767	86 527	8 658
	Wilmington, OH Micropolitan Statistical Area												
31-33	Manufacturing	—	47	24	4 195	140 173	3 190	6 291	84 842	367 804	483 521	843 392	36 481

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA—Con.													
Wilmington, OH Micropolitan Statistical Area—Con.													
326	Plastics and rubber products manufacturing	-	4	4	347	10 637	251	567	6 123	43 886	51 594	94 580	4 649
3261	Plastics product manufacturing ..	-	4	4	347	10 637	251	567	6 123	43 886	51 594	94 580	4 649
32619	Other plastics product manufacturing	-	4	4	347	10 637	251	567	6 123	43 886	51 594	94 580	4 649
326199	All other plastics product manufacturing	-	4	4	347	10 637	251	567	6 123	43 886	51 594	94 580	4 649
331	Primary metal manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries	-	2	2	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	1	1	e	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	9	4	730	22 939	529	1 005	15 745	74 489	53 491	126 453	4 623
3322	Cutlery and handtool manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
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
334514	Totalizing fluid meter and counting device manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	3	1 093	32 036	973	1 732	20 421	133 400	121 174	250 981	D
3363	Motor vehicle parts manufacturing	-	4	3	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA													
31-33	Manufacturing	1	5 684	1 920	222 079	8 956 471	158 286	310 710	5 559 766	23 836 875	22 784 427	46 704 679	1 605 664
311	Food manufacturing	1	248	48	7 609	242 826	5 199	9 584	149 470	1 006 033	990 331	1 997 434	D
3113	Sugar and confectionery product manufacturing	7	26	3	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	5	13	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	5	13	2	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	11	6	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	7	4	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	5	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
311	Food manufacturing—Con.													
3115	Dairy product manufacturing	—	11	5	f	D	D	D	D	D	D	D	D	
31151	Dairy product (except frozen) manufacturing	—	7	5	f	D	D	D	D	D	D	D	D	
311511	Fluid milk manufacturing	—	4	3	e	D	D	D	D	D	D	D	D	
3118	Bakeries and tortilla manufacturing	1	142	20		3 442	98 471	2 078	3 016	56 780	248 272	158 155	406 255	D
31181	Bread and bakery product manufacturing	—	133	17	h	D	D	D	D	D	D	D	D	D
311811	Retail bakeries	3	107	4	f	D	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	24	11	g	D	D	D	D	D	D	D	D	4 259
31182	Cookie, cracker, and pasta manufacturing	4	9	3	e	D	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	4	5	3	e	D	D	D	D	D	D	D	D	D
3119	Other food manufacturing	3	31	8	f	D	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	—	4	2		319	11 050	178	397	4 872	21 991	59 801	81 314	D
311942	Spice and extract manufacturing	—	3	2	e	D	D	D	D	D	D	D	D	D
31199	All other food manufacturing	5	17	3	f	D	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing	5	5	3	e	D	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	3	21	5	f	D	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	3	21	5	f	D	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	3	10	3	e	D	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	3	5	2	e	D	D	D	D	D	D	D	D	D
314	Textile product mills	7	66	4	e	D	D	D	D	D	D	D	D	D
3149	Other textile product mills	6	38	4	e	D	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	37	9	g	D	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	25	7	f	D	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	3	2	f	D	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	D
321	Wood product manufacturing	1	84	15	g	D	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	1	68	12	f	D	D	D	D	D	D	D	D	D
32191	Millwork	1	17	4	e	D	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing	2	37	5	e	D	D	D	D	D	D	D	D	808
321920	Wood container and pallet manufacturing	2	37	5	e	D	D	D	D	D	D	D	D	808
32199	All other wood product manufacturing	—	14	3	e	D	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	—	13	3	e	D	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	91	61	i	D	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	89	59	i	D	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	1	55	36	h	D	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	1	30	21	g	D	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	—	13	8	f	D	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	—	21	16	g	D	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	17	14	g	D	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	—	4	3	e	D	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	2	2	e	D	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	6	9	4	e	D	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	—	8	3	e	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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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.														
323	Printing and related support activities	1	473	97	9 666	343 660	6 821	13 057	210 807	'845 553	'474 046	1 320 539	D	
3231	Printing and related support activities	1	473	97	9 666	343 660	6 821	13 057	210 807	'845 553	'474 046	1 320 539	D	
32311	Printing	1	425	90	i	D	D	D	D	D	D	D	D	
323110	Commercial lithographic printing	1	218	60	i	D	D	D	D	D	D	D	D	
323112	Commercial flexographic printing	—	11	6	f	D	D	D	D	D	D	D	D	
323113	Commercial screen printing	2	42	9	f	D	D	D	D	D	D	D	D	
323114	Quick printing	3	91	6	e	D	D	D	D	D	D	D	D	
323116	Manifold business forms printing	—	5	2	e	D	D	D	D	D	D	D	D	
323117	Books printing	—	2	1	e	D	D	D	D	D	D	D	D	
323119	Other commercial printing	2	33	3	e	D	D	D	D	D	D	D	921	
32312	Support activities for printing	—	48	7	f	D	D	D	D	D	D	D	D	
323121	Tradebinding and related work	—	16	5		440	11 486	359	737	8 067	20 389	7 268	27 942	D
324	Petroleum and coal products manufacturing	—	43	14	f	D	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	—	43	14	f	D	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	—	24	8	f	D	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing	—	6	3		299	12 100	217	491	8 584	75 115	181 478	256 772	D
32419	Other petroleum and coal products manufacturing	—	19	6	e	D	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	—	18	5	e	D	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	281	147	16 557	745 450	10 289	20 078	389 930	3 190 245	2 988 344	6 151 356	194 132	
3251	Basic chemical manufacturing	—	47	30	h	D	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	—	5	3	f	D	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	1	17	8	f	D	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	1	15	7	f	D	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	—	19	15	g	D	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	—	19	15	g	D	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	28	17	g	D	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	—	27	17	g	D	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	22	15	g	D	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	—	3	2	e	D	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	D	D
325320	Pesticide and other agricultural chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	10	4	g	D	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	10	4	g	D	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	4	3	f	D	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	56	27	3 664	176 781	1 840	3 847	73 505	520 770	676 972	1 183 947	D	
32551	Paint and coating manufacturing	1	36	18	2 408	118 626	994	1 925	42 292	286 543	409 490	692 894	D	
325510	Paint and coating manufacturing	1	36	18	2 408	118 626	994	1 925	42 292	286 543	409 490	692 894	D	
32552	Adhesive manufacturing	4	20	9	1 256	58 155	846	1 922	31 213	234 227	267 482	491 053	D	
325520	Adhesive manufacturing	4	20	9	1 256	58 155	846	1 922	31 213	234 227	267 482	491 053	D	

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing . . .	1	49	27	3 798	138 609	2 566	4 930	77 660	934 667	554 835	1 476 584	D
32561	Soap and cleaning compound manufacturing	—	32	13	g	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	13	4	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	—	16	9	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	3	17	14	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	3	17	14	g	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	2	88	40	h	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing	3	11	4	e	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing	3	11	4	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	2	77	36	h	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	1	29	15	f	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	3	43	19	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	'417	235	'25 192	'816 623	'19 605	'39 837	'545 381	'2 154 675	'1 874 355	'4 019 478	'189 164
3261	Plastics product manufacturing	2	301	'167	'18 680	'580 364	'14 700	'29 617	'390 734	'1 582 468	'1 364 076	'2 935 177	'145 867
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	31	20	g	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing	1	7	6	e	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	—	19	11	f	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	'2	'29	'17	g	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing	1	'22	'10	f	D	D	D	D	D	D	D	D
326122	Plastics pipe and pipe fitting manufacturing	3	7	7	f	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing	4	8	4	e	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing	4	8	4	e	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	2	13	8	345	11 988	246	526	6 476	31 945	38 166	70 441	D
326150	Urethane and other foam product (except polystyrene) manufacturing	2	13	8	345	11 988	246	526	6 476	31 945	38 166	70 441	D
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	2	'206	114	'14 193	'431 988	'11 155	'22 501	'287 208	'1 255 846	'982 167	'2 229 651	'111 470
326199	All other plastics product manufacturing	2	'198	109	j	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	1	'116	'68	'6 512	'236 259	'4 905	'10 220	'154 647	'572 207	'510 279	'1 084 301	'43 297
32622	Rubber and plastics hoses and belting manufacturing	1	'12	'5	f	D	D	D	D	D	D	D	'14 816
326220	Rubber and plastics hoses and belting manufacturing	1	'12	'5	f	D	D	D	D	D	D	D	'14 816
32629	Other rubber product manufacturing	1	93	61	5 438	195 168	4 161	8 754	128 742	434 637	393 439	826 155	28 248
326291	Rubber product manufacturing for mechanical use	1	55	35	h	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	2	38	26	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	3	192	62	h	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	1	18	8	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	1	10	3	e	D	D	D	D	D	D	D	D
327113	Porcelain electrical supply manufacturing	1	5	3	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	1	8	5	e	D	D	D	D	D	D	D	D
327125	Nonclay refractory manufacturing	1	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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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
327	Nonmetallic mineral product manufacturing—Con.												
3272	Glass and glass product manufacturing	4	29	6	f	D	D	D	D	D	D	D	
32721	Glass and glass product manufacturing	4	29	6	f	D	D	D	D	D	D	D	
327215	Glass product manufacturing made of purchased glass ..	8	20	4	e	D	D	D	D	D	D	D	
3273	Cement and concrete product manufacturing	3	87	29	g	D	D	D	D	D	D	D	
32732	Ready-mix concrete manufacturing	3	53	17	f	D	D	D	D	D	D	D	
327320	Ready-mix concrete manufacturing	3	53	17	f	D	D	D	D	D	D	D	
32733	Concrete pipe, brick, and block manufacturing	3	11	7	649	24 934	424	927	13 549	73 487	39 695	112 202	3 869
327332	Concrete pipe manufacturing	5	3	3	e	D	D	D	D	D	D	D	
32739	Other concrete product manufacturing	1	21	4	e	D	D	D	D	D	D	D	
327390	Other concrete product manufacturing	1	21	4	e	D	D	D	D	D	D	D	
3279	Other nonmetallic mineral product manufacturing	3	52	17	f	D	D	D	D	D	D	D	
32799	All other nonmetallic mineral product manufacturing	4	38	12	f	D	D	D	D	D	D	D	
331	Primary metal manufacturing	—	145	85	13 063	658 756	10 025	22 668	510 402	880 781	1 503 894	2 397 763	D
3311	Iron and steel mills and ferroalloy manufacturing	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
33111	Iron and steel mills and ferroalloy manufacturing	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
331111	Iron and steel mills	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
3312	Steel product manufacturing from purchased steel	—	14	9	g	D	D	D	D	D	D	D	
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	4	3	f	D	D	D	D	D	D	D	
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	4	3	f	D	D	D	D	D	D	D	
33122	Rolling and drawing of purchased steel	—	10	6	f	D	D	D	D	D	D	D	
331221	Rolled steel shape manufacturing	1	6	4	e	D	D	D	D	D	D	D	
331222	Steel wire drawing	—	4	2	e	D	D	D	D	D	D	D	
3314	Nonferrous metal (except aluminum) production and processing	1	27	19	g	D	D	D	D	D	D	D	
33142	Copper rolling, drawing, extruding, and alloying	3	6	5	e	D	D	D	D	D	D	D	
331423	Secondary smelting, refining, and alloying of copper	2	3	3	270	12 258	140	301	5 546	11 918	84 316	97 473	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	16	11	f	D	D	D	D	D	D	D	
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	7	5	e	D	D	D	D	D	D	D	
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	—	9	6	e	D	D	D	D	D	D	D	
3315	Foundries	—	84	46	i	D	D	D	D	D	D	D	
33151	Ferrous metal foundries	1	29	13	3 755	244 786	3 007	7 014	203 244	130 027	272 929	399 176	35 535
331511	Iron foundries	—	19	5	g	D	D	D	D	D	D	D	
331512	Steel investment foundries ..	1	6	6	1 081	40 569	737	1 570	30 429	124 812	75 043	197 553	D
33152	Nonferrous metal foundries	—	55	33	h	D	D	D	D	D	D	D	
331521	Aluminum die-casting foundries	—	10	6	f	D	D	D	D	D	D	D	
331522	Nonferrous (except aluminum) die-casting foundries	—	11	8	f	D	D	D	D	D	D	D	
331524	Aluminum foundries (except die-casting)	—	20	10	g	D	D	D	D	D	D	D	
331528	Other nonferrous foundries (except die-casting)	—	8	5	e	D	D	D	D	D	D	D	

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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing	1	'1 637	474	'42 855	'1 625 830	'31 197	'63 519	'1 020 364	'3 850 959	'2 558 735	'6 455 358	'350 878
3321	Forging and stamping	1	112	62	i	D	D	D	D	D	D	D	D
33211	Forging and stamping	1	112	62	i	D	D	D	D	D	D	D	D
332111	Iron and steel forging	—	14	13	g	D	D	D	D	D	D	D	D
332112	Nonferrous forging	—	5	1	g	D	D	D	D	D	D	D	D
332114	Custom roll forming	1	14	9	f	D	D	D	D	D	D	D	D
332116	Metal stamping	2	72	36	g	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	35	15	g	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	35	15	g	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	30	12	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	183	41	h	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	3	85	26	1 614	61 213	1 101	2 156	34 709	123 230	133 346	258 385	4 755
332312	Fabricated structural metal manufacturing	3	51	12	737	28 251	455	866	14 436	51 868	77 770	131 569	1 647
332313	Plate work manufacturing	2	28	12	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	1	98	15	g	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	1	62	10	f	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	1	25	11	g	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing	1	5	3	f	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	1	5	3	f	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	7	3	e	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	7	3	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	4	13	5	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	3	12	5	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	3	49	22	g	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	3	49	22	g	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	1	14	8	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	4	32	13	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	797	168	j	D	D	D	D	D	D	D	115 850
33271	Machine shops	2	634	94	7 473	264 110	5 905	12 062	184 493	527 229	251 808	776 138	33 722
332710	Machine shops	2	634	94	7 473	264 110	5 905	12 062	184 493	527 229	251 808	776 138	33 722
33272	Turned product and screw, nut, and bolt manufacturing	3	163	74	i	D	D	D	D	D	D	D	82 128
332721	Precision turned product manufacturing	4	114	48	h	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	2	49	26	h	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	1	234	71	i	D	D	D	D	D	D	D	24 983
33281	Coating, engraving, heat treating, and allied activities ..	1	234	71	i	D	D	D	D	D	D	D	24 983
332811	Metal heat treating	1	57	19	g	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	62	21	g	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	1	115	31	g	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing	—	'187	76	i	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	60	34	h	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	—	17	12	g	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	25	13	h	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing	—	9	5	507	18 647	312	606	9 848	40 016	40 770	80 214	7 566
332919	Other metal valve and pipe fitting manufacturing	3	9	4	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	'127	42	h	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	—	6	6	e	D	D	D	D	D	D	D	D
332996	Fabricated pipe and pipe fitting manufacturing	2	15	5	f	D	D	D	D	D	D	D	D
332997	Industrial pattern manufacturing	1	'25	7	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	76	24	2 407	94 640	1 809	3 627	66 399	335 226	100 267	439 415	27 866
333	Machinery manufacturing	2	764	250	'24 448	'1 080 984	'15 027	'28 516	'551 603	'2 527 623	'1 718 834	'4 302 880	'100 469
3331	Agriculture, construction, and mining machinery manufacturing	1	23	10	g	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	2	12	5	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	2	12	5	f	D	D	D	D	D	D	D	D
33313	Mining and oil and gas field machinery manufacturing	—	7	3	e	D	D	D	D	D	D	D	D
333131	Mining machinery and equipment manufacturing ..	—	5	3	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	2	'103	'38	'2 630	'115 679	'1 313	'2 342	'43 915	'256 629	'250 963	'516 839	D
33322	Plastics and rubber industry machinery manufacturing	—	34	18	1 308	59 735	628	1 127	22 104	131 366	137 680	279 550	3 373
333220	Plastics and rubber industry machinery manufacturing ..	—	34	18	1 308	59 735	628	1 127	22 104	131 366	137 680	279 550	3 373
33329	Other industrial machinery manufacturing	3	'65	'19	g	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	5	'40	'10	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	5	25	9	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	5	25	9	f	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	5	19	8	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	29	18	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	29	18	g	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	8	7	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	—	12	7	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	5	7	4	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	389	103	'8 395	'355 036	'5 943	'11 850	'225 991	'695 606	'371 397	'1 088 010	'30 551
33351	Metalworking machinery manufacturing	2	389	103	'8 395	'355 036	'5 943	'11 850	'225 991	'695 606	'371 397	'1 088 010	'30 551
333511	Industrial mold manufacturing	2	136	46	h	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing	—	17	10	g	D	D	D	D	D	D	D	4 413
333514	Special die and tool, die set, jig, and fixture manufacturing	1	129	20	g	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	3	78	19	g	D	D	D	D	D	D	D	D

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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing—Con.												
33351	Metalworking machinery manufacturing—Con.												
333516	Rolling mill machinery and equipment manufacturing ..	4	7	3	e	D	D	D	D	D	D	902	
333518	Other metalworking machinery manufacturing ..	3	18	3	e	D	D	D	D	D	D	932	
3336	Engine, turbine, and power transmission equipment manufacturing	5	27	13	g	D	D	D	D	D	D	9 121	
33361	Engine, turbine, and power transmission equipment manufacturing	5	27	13	g	D	D	D	D	D	D	9 121	
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2	12	6	f	D	D	D	D	D	D	D	
333613	Mechanical power transmission equipment manufacturing	7	8	4	518	25 791	236	518	8 813	125 178	53 748	174 715	3 931
3339	Other general purpose machinery manufacturing	1	168	59	i	D	D	D	D	D	D	D	
33391	Pump and compressor manufacturing	2	12	5	e	D	D	D	D	D	D	D	
33392	Material handling equipment manufacturing	4	33	18	g	D	D	D	D	D	D	D	
333922	Conveyor and conveying equipment manufacturing ..	4	19	10	891	36 579	513	997	15 747	74 433	53 699	129 400	1 763
333923	Overhead traveling crane, hoist, and monorail system manufacturing	2	5	2	f	D	D	D	D	D	D	D	
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	3	8	5	e	D	D	D	D	D	D	D	
33399	All other general purpose machinery manufacturing	—	123	36	i	D	D	D	D	D	D	D	
333992	Welding and soldering equipment manufacturing ..	—	10	5	h	D	D	D	D	D	D	D	
333993	Packaging machinery manufacturing	—	16	9	1 379	67 631	545	1 006	22 898	87 970	108 073	205 627	2 176
333994	Industrial process furnace and oven manufacturing ...	5	17	4	e	D	D	D	D	D	D	D	
333995	Fluid power cylinder and actuator manufacturing	—	10	4	e	D	D	D	D	D	D	D	
333996	Fluid power pump and motor manufacturing	—	3	2	e	D	D	D	D	D	D	D	
333999	All other miscellaneous general purpose machinery manufacturing	1	56	9	f	D	D	D	D	D	D	D	
334	Computer and electronic product manufacturing	—	200	79	i	D	D	D	D	D	D	45 433	
3342	Communications equipment manufacturing	—	14	4	e	D	D	D	D	D	D	D	
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	9	4	e	D	D	D	D	D	D	D	
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	9	4	e	D	D	D	D	D	D	D	
3344	Semiconductor and other electronic component manufacturing	1	64	30	g	D	D	D	D	D	D	D	
33441	Semiconductor and other electronic component manufacturing	1	64	30	g	D	D	D	D	D	D	D	
334412	Bare printed circuit board manufacturing	2	16	9	e	D	D	D	D	D	D	D	
334418	Printed circuit assembly (electronic assembly) manufacturing	—	10	7	f	D	D	D	D	D	D	D	
334419	Other electronic component manufacturing	—	26	8	e	D	D	D	D	D	D	D	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	95	40	i	D	D	D	D	D	D	D	
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	95	40	i	D	D	D	D	D	D	D	

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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
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.												
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	9	6	1	e	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	7	3	f	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	20	8	g	D	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	—	18	11	1 518	72 317	600	1 160	22 781	120 274	111 583	234 999	D
334517	Irradiation apparatus manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	22	8	862	46 364	439	969	15 966	123 078	65 629	189 483	4 860
335	Electrical equipment, appliance, and component manufacturing	—	142	64	i	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	—	28	15	g	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	—	22	10	g	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	3	7	6	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	53	21	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	53	21	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	4	13	7	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing	1	14	5	e	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	—	22	8	g	D	D	D	D	D	D	D	2 267
3359	Other electrical equipment and component manufacturing	1	54	22	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	—	25	12	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	—	18	7	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	7	5	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	1	20	7	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	207	118	33 836	1 608 904	27 545	49 090	1 205 345	3 818 058	5 915 243	9 738 079	248 679
3361	Motor vehicle manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing	—	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	-	147	85	25 220	1 090 559	21 581	36 317	868 192	2 145 257	3 041 106	5 180 131	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	13	3	i	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	-	4	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	9	2	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	3	14	7	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	3	14	7	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	4	4	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	4	4	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	-	64	46	j	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	64	46	j	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	2	27	12	1 284	49 936	937	1 951	32 794	89 342	116 265	205 173	8 231
336399	All other motor vehicle parts manufacturing	2	23	10	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	30	23	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	30	23	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	14	12	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	-	12	9	g	D	D	D	D	D	D	D	D
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	2	12	4	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	2	12	4	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	175	26	i	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	126	11	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	-	90	6	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing	-	90	6	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	6	36	5	770	20 862	634	1 196	14 312	43 302	43 205	83 128	D
337125	Household furniture (except wood and metal) manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	2	40	12	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	2	40	12	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing	-	15	7	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	5	20	4	f	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing	-	9	3	e	D	D	D	D	D	D	D	D
33791	Mattress manufacturing	-	4	2	e	D	D	D	D	D	D	D	269
337910	Mattress manufacturing	-	4	2	e	D	D	D	D	D	D	D	269

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
339	Miscellaneous manufacturing	1	428	124	j	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	1	152	48	i	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	1	152	48	i	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	3	8	4	e	D	D	D	D	D	D	D	1 170
339112	Surgical and medical instrument manufacturing ..	—	18	9	847	34 695	465	885	11 784	133 664	44 373	178 884	D
339113	Surgical appliance and supplies manufacturing	—	42	20	h	D	D	D	D	D	D	D	D
339116	Dental laboratories	3	70	10	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	276	76	i	D	D	D	D	D	D	D	D
33993	Doll, toy, and game manufacturing	—	9	4	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	8	3	g	D	D	D	D	D	D	D	D
33995	Sign manufacturing	1	76	14	g	D	D	D	D	D	D	D	D
339950	Sign manufacturing	1	76	14	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	140	48	h	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	2	24	12	f	D	D	D	D	D	D	D	5 554
339992	Musical instrument manufacturing	—	9	4	e	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	2	15	8	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	1	86	23	g	D	D	D	D	D	D	D	D
Akron, OH Metropolitan Statistical Area													
31-33	Manufacturing	1	1 330	468	49 572	1 932 883	35 554	70 835	1 185 224	5 647 790	4 622 504	10 242 246	423 986
311	Food manufacturing	2	52	10	2 442	75 013	1 487	2 023	44 403	152 213	254 336	409 523	12 914
3113	Sugar and confectionery product manufacturing	9	6	1	301	6 139	229	423	4 332	9 410	7 969	18 208	257
31133	Confectionery manufacturing from purchased chocolate	9	5	1	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	9	5	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	30	4	1 558	45 940	840	772	24 599	115 714	37 701	153 378	D
31181	Bread and bakery product manufacturing	—	28	4	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	6	2	g	D	D	D	D	D	D	D	2 205
312	Beverage and tobacco product manufacturing	3	7	2	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	3	7	2	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	3	3	2	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	3	3	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	17	11	1 283	57 285	783	1 618	26 487	121 770	186 299	306 465	4 811
3222	Converted paper product manufacturing	—	17	11	1 283	57 285	783	1 618	26 487	121 770	186 299	306 465	4 811
32221	Paperboard container manufacturing	—	9	6	544	22 970	421	946	15 224	60 277	103 950	163 864	2 313
322211	Corrugated and solid fiber box manufacturing	—	7	5	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	5	4	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	3	3	523	26 459	234	403	9 127	50 443	61 388	110 269	D
323	Printing and related support activities	—	106	31	3 015	99 989	2 217	4 102	62 922	306 040	171 598	477 924	17 188
3231	Printing and related support activities	—	106	31	3 015	99 989	2 217	4 102	62 922	306 040	171 598	477 924	17 188
32311	Printing	—	97	29	2 898	97 194	2 128	3 936	60 815	300 411	169 874	470 585	17 066
323110	Commercial lithographic printing	—	52	15	1 256	41 138	967	1 665	26 658	63 839	65 658	129 569	8 455
323113	Commercial screen printing ..	4	13	5	577	16 565	384	722	9 297	33 876	19 382	52 235	1 888
323117	Books printing	—	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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CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
Akron, OH Metropolitan Statistical Area—Con.													
325	Chemical manufacturing	—	77	35	3 655	145 478	2 544	4 994	86 729	622 797	722 699	1 332 037	39 160
3251	Basic chemical manufacturing ...	—	7	6	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	—	3	3	283	13 505	169	375	7 040	57 366	46 428	103 902	5 265
325199	All other basic organic chemical manufacturing	—	3	3	283	13 505	169	375	7 040	57 366	46 428	103 902	5 265
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	13	8	836	44 915	551	1 109	26 672	189 024	308 931	494 546	8 654
32521	Resin and synthetic rubber manufacturing	—	12	8	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	18	6	603	23 190	339	704	11 457	110 635	121 209	226 447	D
32552	Adhesive manufacturing	2	10	3	376	17 732	231	505	9 254	70 055	88 686	154 673	D
325520	Adhesive manufacturing	2	10	3	376	17 732	231	505	9 254	70 055	88 686	154 673	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	7	4	998	31 155	879	1 649	25 165	139 241	127 973	265 227	D
32561	Soap and cleaning compound manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	29	11	732	25 972	509	1 068	14 566	91 687	105 251	194 233	10 609
32599	All other chemical product and preparation manufacturing ...	1	27	10	f	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	—	17	8	541	17 853	388	789	9 465	52 627	84 378	136 092	5 930
326	Plastics and rubber products manufacturing	1	161	95	9 697	333 540	7 432	15 361	218 281	1 066 051	836 385	1 895 948	121 363
3261	Plastics product manufacturing ..	1	103	59	7 002	229 327	5 512	11 419	155 161	776 796	596 081	1 364 131	90 885
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	6	4	433	17 598	322	676	11 520	49 398	50 159	98 653	6 438
326112	Plastics packaging film and sheet (including laminated) manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	1	9	5	464	16 728	363	732	11 701	48 476	28 942	77 261	1 563
326121	Unlaminated plastics profile shape manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	75	43	5 692	180 383	4 521	9 324	123 689	642 845	460 885	1 101 353	80 097
326199	All other plastics product manufacturing	1	73	42	i	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	58	36	2 695	104 213	1 920	3 942	63 120	289 255	240 304	531 817	30 478
32622	Rubber and plastics hoses and belting manufacturing	1	6	4	754	29 384	535	1 038	18 521	115 250	94 314	213 848	14 232
326220	Rubber and plastics hoses and belting manufacturing ..	1	6	4	754	29 384	535	1 038	18 521	115 250	94 314	213 848	14 232
32629	Other rubber product manufacturing	1	46	31	1 852	70 936	1 321	2 774	41 829	168 528	138 749	305 388	16 076
326291	Rubber product manufacturing for mechanical use	1	25	16	1 057	37 835	799	1 693	24 110	90 070	58 529	148 421	5 651
326299	All other rubber product manufacturing	1	21	15	795	33 101	522	1 081	17 719	78 458	80 220	156 967	10 425
327	Nonmetallic mineral product manufacturing	4	43	14	1 001	38 634	829	1 775	28 835	119 758	81 098	198 977	9 977
3273	Cement and concrete product manufacturing	5	25	9	728	26 697	601	1 290	19 428	84 686	54 301	138 830	6 073
32733	Concrete pipe, brick, and block manufacturing	6	3	3	345	13 249	278	630	8 924	44 067	24 252	68 481	1 759
327332	Concrete pipe manufacturing	7	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Akron, OH Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing	—	26	11	1 490	54 250	1 092	2 325	34 606	135 665	105 560	240 159	6 264
3315	Foundries	—	19	8	1 320	47 294	985	2 099	31 641	117 496	83 376	199 681	5 928
33152	Nonferrous metal foundries	—	10	8	1 255	44 644	934	1 991	29 709	112 560	80 826	192 296	5 759
331521	Aluminum die-casting foundries	—	2	2	e	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	—	2	2	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	—	5	3	621	19 820	418	938	12 041	39 711	24 489	64 218	2 510
332	Fabricated metal product manufacturing	1	322	87	8 365	303 717	6 319	13 276	195 326	667 636	425 918	1 102 260	55 252
3321	Forging and stamping	—	16	8	513	22 734	385	820	14 689	70 512	55 709	126 829	1 911
33211	Forging and stamping	—	16	8	513	22 734	385	820	14 689	70 512	55 709	126 829	1 911
332116	Metal stamping	—	9	4	257	9 756	194	378	6 606	24 799	18 340	43 584	D
3322	Cutlery and handtool manufacturing	—	12	5	467	17 134	329	566	9 717	31 772	21 679	53 075	D
33221	Cutlery and handtool manufacturing	—	12	5	467	17 134	329	566	9 717	31 772	21 679	53 075	D
332212	Hand and edge tool manufacturing	—	12	5	467	17 134	329	566	9 717	31 772	21 679	53 075	D
3323	Architectural and structural metals manufacturing	1	45	12	1 005	34 850	729	1 481	22 587	85 930	77 764	165 130	2 833
33231	Plate work and fabricated structural product manufacturing	1	25	7	652	24 532	459	990	15 568	48 389	52 507	102 433	2 383
332312	Fabricated structural metal manufacturing	2	17	3	272	10 923	166	335	6 174	16 300	24 135	42 409	536
33232	Ornamental and architectural metal products manufacturing	—	20	5	353	10 318	270	491	7 019	37 541	25 257	62 697	450
3324	Boiler, tank, and shipping container manufacturing	1	5	3	716	36 603	380	842	14 026	96 509	44 558	140 859	D
33241	Power boiler and heat exchanger manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	164	32	3 268	108 036	2 696	5 905	77 692	226 797	127 919	353 262	21 886
33271	Machine shops	1	146	24	2 742	87 238	2 319	5 094	66 240	184 388	94 192	278 086	17 983
332710	Machine shops	1	146	24	2 742	87 238	2 319	5 094	66 240	184 388	94 192	278 086	17 983
33272	Turned product and screw, nut, and bolt manufacturing	1	18	8	526	20 798	377	811	11 452	42 409	33 727	75 176	3 903
332721	Precision turned product manufacturing	2	14	6	279	10 123	226	449	7 466	18 646	10 707	29 463	D
3328	Coating, engraving, heat treating, and allied activities	1	39	11	745	25 651	590	1 103	18 310	47 973	16 871	63 804	2 235
33281	Coating, engraving, heat treating, and allied activities ..	1	39	11	745	25 651	590	1 103	18 310	47 973	16 871	63 804	2 235
332811	Metal heat treating	—	8	5	264	10 049	220	406	7 954	22 229	4 380	25 562	848
332813	Electroplating, plating, polishing, anodizing, and coloring	1	16	3	280	8 887	231	456	6 353	14 581	5 469	20 057	771
3329	Other fabricated metal product manufacturing	3	35	14	1 229	45 372	883	1 908	29 828	99 729	71 438	175 622	4 109
33291	Metal valve manufacturing	5	8	5	614	23 469	457	991	14 414	54 033	28 153	81 028	2 659
332912	Fluid power valve and hose fitting manufacturing	1	4	3	348	11 985	270	609	7 829	27 243	14 804	40 929	D
33299	All other fabricated metal product manufacturing	—	27	9	615	21 903	426	917	15 414	45 696	43 285	94 594	1 450
332999	All other miscellaneous fabricated metal product manufacturing	1	13	5	297	11 487	209	456	7 364	19 430	25 799	49 139	857
333	Machinery manufacturing	2	204	76	5 275	221 563	3 603	7 094	127 813	460 816	343 305	818 507	14 498
3331	Agriculture, construction, and mining machinery manufacturing	—	7	2	268	9 955	190	356	6 920	20 613	50 279	78 399	829

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	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Akron, OH Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3332	Industrial machinery manufacturing	2	43	18	1 105	48 402	568	1 046	19 181	113 702	91 100	204 435	2 196
33322	Plastics and rubber industry machinery manufacturing	—	21	13	665	29 638	328	696	11 728	76 151	58 596	133 871	913
333220	Plastics and rubber industry machinery manufacturing ..	—	21	13	665	29 638	328	696	11 728	76 151	58 596	133 871	913
33329	Other industrial machinery manufacturing	7	22	5	440	18 764	240	350	7 453	37 551	32 504	70 564	1 283
333298	All other industrial machinery manufacturing	8	15	4	353	15 402	190	296	6 045	31 054	26 814	58 462	996
3335	Metalworking machinery manufacturing	4	109	37	2 435	98 537	1 894	3 808	70 072	204 701	77 042	284 063	6 878
33351	Metalworking machinery manufacturing	4	109	37	2 435	98 537	1 894	3 808	70 072	204 701	77 042	284 063	6 878
333511	Industrial mold manufacturing	3	67	27	1 652	68 856	1 320	2 734	51 535	113 886	54 863	170 696	4 202
333515	Cutting tool and machine tool accessory manufacturing . . .	6	16	6	487	17 560	387	755	12 653	65 897	11 578	78 745	1 715
3339	Other general purpose machinery manufacturing	1	31	14	1 148	52 818	706	1 375	24 929	92 165	101 098	199 756	2 402
33399	All other general purpose machinery manufacturing	—	21	10	828	42 838	467	913	19 187	67 207	80 251	154 334	1 810
333993	Packaging machinery manufacturing	—	6	4	406	21 953	192	364	8 717	27 728	43 367	76 729	1 109
334	Computer and electronic product manufacturing	1	48	16	1 356	70 864	643	1 457	21 381	194 916	128 778	322 318	4 697
3344	Semiconductor and other electronic component manufacturing	3	13	7	e	D	D	D	D	D	D	D	835
33441	Semiconductor and other electronic component manufacturing	3	13	7	e	D	D	D	D	D	D	D	835
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	24	9	944	54 564	381	882	14 590	127 133	76 175	199 330	2 342
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . .	1	24	9	944	54 564	381	882	14 590	127 133	76 175	199 330	2 342
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	3	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	28	12	1 769	66 461	1 260	2 370	41 917	427 626	313 886	749 112	5 791
3351	Electric lighting equipment manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	13	6	888	33 126	532	1 058	15 406	333 319	263 554	598 913	2 243
33531	Electrical equipment manufacturing	—	13	6	888	33 126	532	1 058	15 406	333 319	263 554	598 913	2 243
335312	Motor and generator manufacturing	2	5	3	e	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	—	5	2	f	D	D	D	D	D	D	D	1 338
3359	Other electrical equipment and component manufacturing	—	12	4	e	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing . . .	—	4	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	37	22	5 580	317 947	3 932	8 198	208 380	865 345	558 908	1 407 311	95 101
3362	Motor vehicle body and trailer manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
Akron, OH Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	—	29	17	3 762	217 515	3 122	6 462	177 800	477 467	388 204	859 958	D
33637	Motor vehicle metal stamping ..	—	8	6	2 448	172 264	2 091	4 334	147 041	380 759	259 593	636 648	D
336370	Motor vehicle metal stamping	—	8	6	2 448	172 264	2 091	4 334	147 041	380 759	259 593	636 648	D
33639	Other motor vehicle parts manufacturing	—	7	5	745	28 767	556	1 196	19 220	33 622	55 398	88 914	4 823
336399	All other motor vehicle parts manufacturing	—	7	5	745	28 767	556	1 196	19 220	33 622	55 398	88 914	4 823
3364	Aerospace product and parts manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	7	38	5	785	22 247	618	1 192	15 097	50 609	41 323	87 620	2 042
3371	Household and institutional furniture and kitchen cabinet manufacturing	8	22	2	535	13 838	449	854	10 274	29 243	25 532	51 362	911
33712	Household and institutional furniture manufacturing	9	10	1	483	12 435	408	781	9 380	26 583	24 121	47 289	794
337125	Household furniture (except wood and metal) manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	104	35	2 922	93 792	2 042	3 528	49 599	305 020	139 677	432 780	27 971
3391	Medical equipment and supplies manufacturing	1	34	14	633	19 966	400	686	10 225	49 892	29 643	78 409	1 383
33911	Medical equipment and supplies manufacturing	1	34	14	633	19 966	400	686	10 225	49 892	29 643	78 409	1 383
3399	Other miscellaneous manufacturing	1	70	21	2 289	73 826	1 642	2 842	39 374	255 128	110 034	354 371	26 588
33993	Doll, toy, and game manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	3	30	13	719	25 217	495	975	13 685	58 694	37 855	96 098	D
339991	Gasket, packing, and sealing device manufacturing	2	7	4	e	D	D	D	D	D	D	D	1 505
339999	All other miscellaneous manufacturing	2	22	8	338	11 535	230	433	6 270	26 920	14 411	41 533	939
Ashtabula, OH Micropolitan Statistical Area													
31-33	Manufacturing	1	193	67	8 883	300 815	6 732	14 275	205 369	768 197	830 269	1 604 479	48 901
325	Chemical manufacturing	—	17	11	1 098	62 450	691	1 582	35 280	269 365	323 078	590 648	19 750
3251	Basic chemical manufacturing ...	—	10	7	828	50 946	507	1 180	28 949	232 388	285 692	516 949	18 760
32513	Synthetic dye and pigment manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	4	32	23	4 186	123 176	3 344	7 180	88 545	252 360	241 870	494 940	19 463
3261	Plastics product manufacturing ..	4	25	19	3 469	98 152	2 753	5 963	70 132	217 717	207 642	426 748	14 724
32619	Other plastics product manufacturing	6	17	15	2 995	84 462	2 353	5 111	59 515	173 315	168 866	343 079	10 009
326199	All other plastics product manufacturing	6	17	15	2 995	84 462	2 353	5 111	59 515	173 315	168 866	343 079	10 009
3262	Rubber product manufacturing ...	—	7	4	717	25 024	591	1 217	18 413	34 643	34 228	68 192	4 739
32629	Other rubber product manufacturing	—	7	4	717	25 024	591	1 217	18 413	34 643	34 228	68 192	4 739
326291	Rubber product manufacturing for mechanical use	—	6	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	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Ashtabula, OH Micropolitan Statistical Area—Con.												
331	Primary metal manufacturing	—	3	2	496	14 874	401	962	11 629	25 341	39 362	63 874	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
331524	Aluminum foundries (except die-casting)	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	51	10	752	27 852	597	1 279	19 877	60 284	70 606	132 824	1 140
333	Machinery manufacturing	1	22	4	698	27 491	572	898	20 999	53 794	34 845	87 964	2 388
3335	Metalworking machinery manufacturing	—	11	2	462	16 765	388	737	13 023	29 439	15 640	44 985	912
33351	Metalworking machinery manufacturing	—	11	2	462	16 765	388	737	13 023	29 439	15 640	44 985	912
333515	Cutting tool and machine tool accessory manufacturing ...	—	2	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	4	604	13 554	459	1 008	9 696	17 934	27 916	52 360	457
3363	Motor vehicle parts manufacturing	—	6	3	497	10 337	412	914	8 151	20 740	19 817	41 171	427
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	—	2	2	e	D	D	D	D	D	D	D	D
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area												
31-33	Manufacturing	1	4 161	1 385	163 624	6 722 773	116 000	225 600	4 169 173	17 420 888	17 331 654	34 857 954	1 132 777
311	Food manufacturing	1	185	38	5 130	167 129	3 690	7 526	104 659	852 692	733 471	1 584 264	39 787
3114	Fruit and vegetable preserving and specialty food manufacturing	—	8	5	g	D	D	D	D	D	D	D	3 693
31141	Frozen food manufacturing	—	6	4	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	—	4	2	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	—	7	4	515	21 910	263	562	9 723	70 208	121 678	190 207	9 039
31151	Dairy product (except frozen) manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	1	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	107	16	1 862	52 218	1 227	2 230	32 029	132 212	120 277	252 354	18 388
31181	Bread and bakery product manufacturing	3	100	13	1 584	43 414	1 018	1 839	26 406	93 702	84 580	181 546	D
311811	Retail bakeries	1	82	4	508	7 234	265	344	3 546	14 560	7 847	22 403	D
311812	Commercial bakeries	1	18	9	1 076	36 180	753	1 495	22 860	79 142	76 733	159 143	2 054
31182	Cookie, cracker, and pasta manufacturing	4	7	3	278	8 804	209	391	5 623	38 510	35 697	70 808	D
311822	Flour mixes and dough manufacturing from purchased flour	3	4	3	266	8 343	199	372	5 260	35 461	34 708	66 770	D
3119	Other food manufacturing	1	25	7	818	25 839	584	1 043	14 528	92 177	95 785	187 267	4 217
31194	Seasoning and dressing manufacturing	—	4	2	319	11 050	178	397	4 872	21 991	59 801	81 314	D
311942	Spice and extract manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	—	11	2	364	10 221	308	447	6 847	30 651	19 860	50 460	D
311991	Perishable prepared food manufacturing	—	4	2	349	9 797	299	431	6 603	29 463	18 807	48 226	D
314	Textile product mills	7	48	3	327	7 883	261	461	5 000	14 025	15 432	29 281	261
315	Apparel manufacturing	2	30	8	854	22 608	654	1 331	14 387	53 468	33 810	99 926	885
3152	Cut and sew apparel manufacturing	2	20	6	736	19 700	561	1 130	12 489	49 140	29 908	91 703	D
31522	Men's and boys' cut and sew apparel manufacturing	—	2	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

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.												
321	Wood product manufacturing	1	53	11	684	18 919	492	988	11 799	46 921	65 636	111 738	3 301
3219	Other wood product manufacturing	1	44	8	523	14 146	378	755	9 161	33 770	32 131	66 026	3 016
32192	Wood container and pallet manufacturing	2	26	4	262	5 894	186	360	3 859	15 266	11 758	27 386	457
321920	Wood container and pallet manufacturing	2	26	4	262	5 894	186	360	3 859	15 266	11 758	27 386	457
322	Paper manufacturing	1	72	48	4 148	172 254	3 077	6 508	107 047	554 265	576 583	1 133 929	25 085
3222	Converted paper product manufacturing	1	70	46	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	1	44	28	2 254	81 893	1 802	3 781	54 888	209 752	271 782	478 772	15 514
322211	Corrugated and solid fiber box manufacturing	2	21	14	948	38 384	722	1 613	23 475	80 791	127 224	206 476	11 348
322212	Folding paperboard box manufacturing	—	12	8	829	29 318	662	1 319	20 090	95 493	109 403	206 763	3 693
32222	Paper bag and coated and treated paper manufacturing ..	—	16	12	1 044	60 716	698	1 617	36 963	234 530	222 978	461 948	4 722
322222	Coated and laminated paper manufacturing	—	14	11	g	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	6	7	4	391	13 276	272	489	5 937	65 297	47 121	113 683	D
322299	All other converted paper product manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	360	65	6 506	241 758	4 571	8 894	147 343	'535 562	'301 004	837 221	32 487
3231	Printing and related support activities	1	360	65	6 506	241 758	4 571	8 894	147 343	'535 562	'301 004	837 221	32 487
32311	Printing	2	322	60	5 951	223 009	4 146	8 042	135 275	'501 581	'291 387	793 360	30 887
323110	Commercial lithographic printing	2	164	44	4 295	161 472	3 101	6 061	103 644	371 104	216 349	588 447	25 703
323112	Commercial flexographic printing	1	9	5	528	25 349	316	655	11 359	55 498	43 398	98 304	1 917
323113	Commercial screen printing ..	—	27	4	355	11 000	234	394	5 673	24 535	9 335	33 945	706
323114	Quick printing	4	73	3	326	9 584	186	324	4 924	20 423	6 751	27 160	874
32312	Support activities for printing ..	—	38	5	555	18 749	425	852	12 068	33 981	9 617	43 861	1 600
323121	Tradebinding and related work	1	13	3	353	9 424	287	591	6 415	16 222	6 149	22 666	667
324	Petroleum and coal products manufacturing	—	35	13	937	44 817	636	1 368	27 801	226 918	386 235	612 427	10 735
3241	Petroleum and coal products manufacturing	—	35	13	937	44 817	636	1 368	27 801	226 918	386 235	612 427	10 735
32412	Asphalt paving, roofing, and saturated materials manufacturing	—	18	7	470	20 194	333	711	13 915	98 684	232 354	331 240	4 635
324122	Asphalt shingle and coating materials manufacturing ..	—	6	3	299	12 100	217	491	8 584	75 115	181 478	256 772	D
32419	Other petroleum and coal products manufacturing	—	17	6	467	24 623	303	657	13 886	128 234	153 881	281 187	6 100
324191	Petroleum lubricating oil and grease manufacturing	—	16	5	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	187	101	11 804	537 522	7 054	13 502	267 921	2 298 083	1 942 567	4 228 671	135 222
3251	Basic chemical manufacturing ...	1	30	17	1 400	66 127	841	1 637	36 186	226 419	248 855	479 734	D
32518	Other basic inorganic chemical manufacturing	1	12	5	490	24 685	301	420	12 707	76 649	85 895	166 598	4 863
325188	All other basic inorganic chemical manufacturing	1	11	5	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	1	14	10	741	32 219	467	1 066	20 134	110 034	137 188	247 317	5 580
325199	All other basic organic chemical manufacturing	1	14	10	741	32 219	467	1 066	20 134	110 034	137 188	247 317	5 580
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	13	8	1 238	43 448	1 011	1 296	28 153	185 039	220 747	412 047	14 499
32521	Resin and synthetic rubber manufacturing	—	13	8	1 238	43 448	1 011	1 296	28 153	185 039	220 747	412 047	14 499
325211	Plastics material and resin manufacturing	—	11	7	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

[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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.												
325	Chemical manufacturing—Con.												
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
325320	Pesticide and other agricultural chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	38	21	3 061	153 591	1 501	3 143	62 048	410 135	555 763	957 500	21 175
32551	Paint and coating manufacturing	1	28	15	2 181	113 168	886	1 726	40 089	245 963	376 967	621 120	13 143
325510	Paint and coating manufacturing	1	28	15	2 181	113 168	886	1 726	40 089	245 963	376 967	621 120	13 143
32552	Adhesive manufacturing	5	10	6	880	40 423	615	1 417	21 959	164 172	178 796	336 380	8 032
325520	Adhesive manufacturing	5	10	6	880	40 423	615	1 417	21 959	164 172	178 796	336 380	8 032
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	2	42	23	2 800	107 454	1 687	3 281	52 495	795 426	426 862	1 211 357	D
32561	Soap and cleaning compound manufacturing	—	26	9	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	—	12	7	662	24 613	383	779	11 417	425 945	146 682	575 463	D
32562	Toilet preparation manufacturing	3	16	14	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	3	16	14	g	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	3	54	26	2 048	99 810	1 141	2 366	46 083	342 189	307 998	652 035	16 778
32591	Printing ink manufacturing	3	9	3	262	11 526	138	305	5 158	31 839	43 217	74 713	D
325910	Printing ink manufacturing	3	9	3	262	11 526	138	305	5 158	31 839	43 217	74 713	D
32599	All other chemical product and preparation manufacturing ..	3	45	23	1 786	88 284	1 003	2 061	40 925	310 350	264 781	577 322	D
325991	Custom compounding of purchased resins	—	9	5	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing ..	4	34	16	1 393	70 046	774	1 587	32 326	252 391	216 400	471 936	13 745
326	Plastics and rubber products manufacturing	2	'224	117	'11 309	'359 907	'8 829	'17 296	'238 555	'836 264	'796 100	'1 628 590	'48 338
3261	Plastics product manufacturing ..	1	'173	89	'8 209	'252 885	'6 435	'12 235	'165 441	'587 955	'560 353	'1 144 298	'40 258
32611	Plastics packaging materials and un laminated film and sheet manufacturing	1	24	15	813	28 751	654	1 348	20 450	73 766	65 200	140 537	3 634
326111	Plastics bag manufacturing ..	1	6	5	360	13 662	308	642	10 701	39 113	23 968	63 749	2 260
326113	Un laminated plastics film and sheet (except packaging) manufacturing	1	15	9	413	14 041	316	635	9 189	32 808	38 461	72 172	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	3	18	11	893	26 796	625	1 230	16 197	36 259	42 969	79 884	2 974
326121	Un laminated plastics profile shape manufacturing	—	13	6	560	17 218	430	846	10 619	21 280	21 492	42 930	1 349
326122	Plastics pipe and pipe fitting manufacturing	7	5	5	333	9 578	195	384	5 578	14 979	21 477	36 954	1 625
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	2	'114	56	'5 506	'167 143	'4 281	'8 066	'104 004	'439 686	'352 416	'785 219	'21 364
326199	All other plastics product manufacturing	2	'108	52	'5 317	'160 739	'4 140	'7 768	'100 295	'410 650	'320 312	'724 393	'19 235
3262	Rubber product manufacturing ..	2	51	28	3 100	107 022	2 394	5 061	73 114	248 309	235 747	484 292	8 080
32629	Other rubber product manufacturing	2	40	26	2 869	99 208	2 249	4 763	68 500	231 466	220 462	452 575	7 433
326291	Rubber product manufacturing for mechanical use	1	24	15	1 567	49 457	1 312	2 673	37 772	97 018	63 945	160 777	2 887
326299	All other rubber product manufacturing	2	16	11	1 302	49 751	937	2 090	30 728	134 448	156 517	291 798	4 546

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing	3	143	47	3 111	125 729	2 305	4 766	83 547	357 655	264 594	626 233	22 837
3271	Clay product and refractory manufacturing	1	14	6	530	22 737	357	686	12 274	50 260	25 557	76 408	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	1	8	3	269	10 639	186	342	5 606	25 136	18 198	43 334	D
32712	Clay building material and refractories manufacturing	—	6	3	261	12 098	171	344	6 668	25 124	7 359	33 074	511
3272	Glass and glass product manufacturing	4	24	5	581	23 578	489	1 037	18 922	78 307	41 963	123 954	10 719
32721	Glass and glass product manufacturing	4	24	5	581	23 578	489	1 037	18 922	78 307	41 963	123 954	10 719
327215	Glass product manufacturing made of purchased glass ..	8	16	3	369	12 662	299	610	9 182	28 074	26 326	54 537	D
3273	Cement and concrete product manufacturing	2	57	19	1 149	46 085	805	1 677	29 326	145 744	142 450	286 365	6 969
32732	Ready-mix concrete manufacturing	3	36	12	642	26 045	502	1 059	19 516	85 730	117 143	202 319	3 938
327320	Ready-mix concrete manufacturing	3	36	12	642	26 045	502	1 059	19 516	85 730	117 143	202 319	3 938
32733	Concrete pipe, brick, and block manufacturing	—	8	4	304	11 685	146	297	4 625	29 420	15 443	43 721	2 110
3279	Other nonmetallic mineral product manufacturing	4	43	15	750	29 117	579	1 207	20 228	68 447	43 027	112 706	3 745
32799	All other nonmetallic mineral product manufacturing	5	31	10	529	20 792	426	876	15 230	47 619	30 218	78 937	2 978
331	Primary metal manufacturing	—	116	72	11 077	589 632	8 532	19 381	464 167	719 775	1 358 972	2 093 730	146 489
3311	Iron and steel mills and ferroalloy manufacturing	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
33111	Iron and steel mills and ferroalloy manufacturing	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
331111	Iron and steel mills	—	11	8	3 011	151 229	2 199	5 233	125 117	161 576	397 816	563 737	33 250
3312	Steel product manufacturing from purchased steel	—	11	8	1 094	52 954	884	1 938	40 829	144 373	295 376	443 493	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	8	6	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	—	3	2	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	1	23	16	1 315	62 441	888	1 857	37 349	104 979	190 275	303 047	15 195
33142	Copper rolling, drawing, extruding, and alloying	4	5	4	e	D	D	D	D	D	D	D	D
331423	Secondary smelting, refining, and alloying of copper	2	3	3	270	12 258	140	301	5 546	11 918	84 316	97 473	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	13	9	792	39 493	573	1 179	25 943	74 297	57 847	136 254	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	6	5	424	21 005	334	622	15 539	45 476	28 915	73 680	D
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	—	7	4	368	18 488	239	557	10 404	28 821	28 932	62 574	D
3315	Foundries	1	64	37	5 483	314 952	4 441	10 089	256 044	280 684	383 433	663 338	40 443
33151	Ferrous metal foundries	1	20	13	3 690	242 136	2 956	6 906	201 312	125 091	270 379	391 791	35 366
331511	Iron foundries	—	11	5	2 430	193 963	2 086	5 058	166 170	S	183 122	165 249	D
331512	Steel investment foundries ..	1	6	6	1 081	40 569	737	1 570	30 429	124 812	75 043	197 553	D
33152	Nonferrous metal foundries ..	—	44	24	1 793	72 816	1 485	3 183	54 732	155 593	113 054	271 547	5 077
331521	Aluminum die-casting foundries	—	8	4	569	23 451	492	1 114	19 058	41 519	48 942	90 097	383
331522	Nonferrous (except aluminum) die-casting foundries	—	9	6	373	15 970	298	635	10 953	35 438	20 933	56 661	2 356
331524	Aluminum foundries (except die-casting)	1	14	6	435	15 402	361	757	11 116	30 989	19 575	50 742	871
331528	Other nonferrous foundries (except die-casting)	—	7	4	266	12 577	212	428	9 753	38 869	17 051	58 427	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.													
332	Fabricated metal product manufacturing	1	1 264	377	33 738	1 294 261	24 281	48 964	805 161	3 123 039	2 062 211	5 220 274	294 486
3321	Forging and stamping.....	1	92	52	5 433	224 865	3 781	7 828	139 819	498 570	536 812	1 032 559	60 578
33211	Forging and stamping.....	1	92	52	5 433	224 865	3 781	7 828	139 819	498 570	536 812	1 032 559	60 578
332111	Iron and steel forging	—	10	10	901	44 363	612	1 284	25 896	84 814	130 861	214 422	7 588
332112	Nonferrous forging	—	5	1	g	D	D	D	D	D	D	D	D
332114	Custom roll forming	1	10	7	581	25 647	453	1 048	17 556	76 862	62 715	139 576	D
332116	Metal stamping	2	62	32	1 958	70 460	1 536	3 169	46 515	149 211	112 116	257 554	5 283
3322	Cutlery and handtool manufacturing	—	21	9	674	22 277	505	1 084	14 011	47 203	46 041	94 584	3 639
33221	Cutlery and handtool manufacturing	—	21	9	674	22 277	505	1 084	14 011	47 203	46 041	94 584	3 639
332212	Hand and edge tool manufacturing	1	16	6	381	11 450	294	578	7 767	28 520	15 586	43 586	D
3323	Architectural and structural metals manufacturing	3	136	28	1 691	62 424	1 127	2 104	34 442	141 380	113 163	253 430	4 034
33231	Plate work and fabricated structural product manufacturing	4	60	19	962	36 681	642	1 166	19 141	74 841	80 839	155 952	2 372
332312	Fabricated structural metal manufacturing	4	34	9	465	17 328	289	531	8 262	35 568	53 635	89 160	1 111
332313	Plate work manufacturing ...	3	21	9	441	17 283	318	566	9 853	32 298	22 085	54 698	1 112
33232	Ornamental and architectural metal products manufacturing	2	76	9	729	25 743	485	938	15 301	66 539	32 324	97 478	1 662
332322	Sheet metal work manufacturing	2	47	5	473	16 990	338	666	11 122	46 702	23 622	69 112	1 025
3324	Boiler, tank, and shipping container manufacturing	3	17	7	402	16 088	312	638	9 863	33 094	48 664	81 714	5 150
3325	Hardware manufacturing	—	13	7	1 453	54 068	628	1 342	19 994	169 989	81 989	253 685	8 715
33251	Hardware manufacturing	—	13	7	1 453	54 068	628	1 342	19 994	169 989	81 989	253 685	8 715
332510	Hardware manufacturing	—	13	7	1 453	54 068	628	1 342	19 994	169 989	81 989	253 685	8 715
3326	Spring and wire product manufacturing	3	41	18	1 465	48 685	1 109	2 157	29 733	93 502	69 998	162 284	2 860
33261	Spring and wire product manufacturing	3	41	18	1 465	48 685	1 109	2 157	29 733	93 502	69 998	162 284	2 860
332612	Spring (light gauge) manufacturing	—	9	5	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	4	30	12	1 102	37 154	805	1 562	21 176	72 277	55 180	126 256	2 382
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	604	134	10 575	407 966	8 187	16 786	280 273	834 621	477 317	1 307 140	93 688
33271	Machine shops	2	462	69	4 641	173 435	3 517	6 837	115 828	337 315	155 241	490 065	15 558
332710	Machine shops	2	462	69	4 641	173 435	3 517	6 837	115 828	337 315	155 241	490 065	15 558
33272	Turned product and screw, nut, and bolt manufacturing	3	142	65	5 934	234 531	4 670	9 949	164 445	497 306	322 076	817 075	78 130
332721	Precision turned product manufacturing	4	98	41	3 517	128 921	2 851	5 910	92 061	299 137	142 955	444 781	27 969
332722	Bolt, nut, screw, rivet, and washer manufacturing	2	44	24	2 417	105 610	1 819	4 039	72 384	198 169	179 121	372 294	50 161
3328	Coating, engraving, heat treating, and allied activities	1	190	60	4 390	149 957	3 419	6 771	99 827	358 934	255 974	619 852	22 699
33281	Coating, engraving, heat treating, and allied activities ..	1	190	60	4 390	149 957	3 419	6 771	99 827	358 934	255 974	619 852	22 699
332811	Metal heat treating	2	47	14	954	36 994	761	1 598	26 882	87 262	28 500	115 171	6 198
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	46	18	1 363	51 837	961	1 957	29 561	144 691	177 519	324 805	7 627
332813	Electroplating, plating, polishing, anodizing, and coloring	—	97	28	2 073	61 126	1 697	3 216	43 384	126 981	49 955	179 876	8 874
3329	Other fabricated metal product manufacturing	—	150	62	7 655	307 931	5 213	10 254	177 199	945 746	432 253	1 415 026	93 123
33291	Metal valve manufacturing	—	51	29	4 351	182 502	2 695	5 246	90 784	552 422	307 685	896 895	61 205
332911	Industrial valve manufacturing	—	16	11	1 263	51 909	751	1 532	26 870	137 096	57 419	198 599	D
332912	Fluid power valve and hose fitting manufacturing	—	20	10	2 206	97 840	1 355	2 526	44 960	333 210	188 521	555 056	27 283
332913	Plumbing fixture fitting and trim manufacturing	—	9	5	507	18 647	312	606	9 848	40 016	40 770	80 214	7 566
332919	Other metal valve and pipe fitting manufacturing	—	6	3	375	14 106	277	582	9 106	42 100	20 975	63 026	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing—Con.												
33299	All other fabricated metal product manufacturing	1	99	33	3 304	125 429	2 518	5 008	86 415	393 324	124 568	518 131	31 918
332991	Ball and roller bearing manufacturing	1	4	4	260	8 836	207	425	6 154	17 328	10 709	28 291	1 880
332996	Fabricated pipe and pipe fitting manufacturing	2	14	5	573	19 788	425	837	11 461	33 657	26 730	60 432	1 857
332997	Industrial pattern manufacturing	1	13	5	315	11 904	251	508	8 554	20 214	8 887	29 029	964
332999	All other miscellaneous fabricated metal product manufacturing	—	63	19	2 110	83 153	1 600	3 171	59 035	315 796	74 468	390 276	27 009
333	Machinery manufacturing	1	'538	170	'18 475	'831 930	'10 852	'20 524	'402 791	'2 013 013	'1 340 684	'3 396 409	'83 583
3331	Agriculture, construction, and mining machinery manufacturing	1	15	8	975	39 223	677	1 400	23 158	166 038	88 017	255 210	3 737
33312	Construction machinery manufacturing	2	11	5	699	26 609	483	1 008	14 776	123 740	48 481	173 228	D
333120	Construction machinery manufacturing	2	11	5	699	26 609	483	1 008	14 776	123 740	48 481	173 228	D
3332	Industrial machinery manufacturing	1	'56	'20	'1 519	'67 012	'742	'1 291	'24 630	'142 359	'159 487	'311 460	'6 984
33322	Plastics and rubber industry machinery manufacturing	—	13	5	643	30 097	300	431	10 376	55 215	79 084	145 679	2 460
333220	Plastics and rubber industry machinery manufacturing ..	—	13	5	643	30 097	300	431	10 376	55 215	79 084	145 679	2 460
33329	Other industrial machinery manufacturing	2	'40	'14	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	3	'23	'6	'389	'17 294	'198	'408	'6 233	'32 673	'35 193	'67 590	'706
3333	Commercial and service industry machinery manufacturing	4	20	8	825	35 640	468	924	14 025	119 927	72 973	193 180	3 684
33331	Commercial and service industry machinery manufacturing	4	20	8	825	35 640	468	924	14 025	119 927	72 973	193 180	3 684
333319	Other commercial and service industry machinery manufacturing	4	15	7	751	32 630	422	822	12 587	112 163	69 944	182 067	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	24	15	1 547	64 406	876	1 836	27 627	136 210	142 831	281 859	5 877
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	24	15	1 547	64 406	876	1 836	27 627	136 210	142 831	281 859	5 877
333412	Industrial and commercial fan and blower manufacturing ..	—	7	6	407	18 901	264	572	9 413	43 858	46 148	90 300	1 046
333414	Heating equipment (except warm air furnaces) manufacturing	—	10	7	974	39 704	503	1 052	15 070	78 628	83 608	164 605	4 535
3335	Metalworking machinery manufacturing	1	'269	64	'5 498	'239 734	'3 661	'7 305	'142 896	'461 466	'278 715	'758 962	'22 761
33351	Metalworking machinery manufacturing	1	'269	64	'5 498	'239 734	'3 661	'7 305	'142 896	'461 466	'278 715	'758 962	'22 761
333511	Industrial mold manufacturing	1	'62	18	'1 208	'59 580	'930	'1 980	'43 251	'100 556	'30 610	'133 459	'7 828
333512	Machine tool (metal cutting types) manufacturing	—	13	10	1 102	50 486	557	1 040	22 519	145 585	124 721	284 275	4 328
333514	Special die and tool, die set, jig, and fixture manufacturing	1	110	16	1 292	55 414	920	1 758	34 180	88 129	51 125	140 362	6 152
333515	Cutting tool and machine tool accessory manufacturing ...	1	60	12	1 275	46 906	896	1 742	29 598	78 827	36 624	116 953	2 622
333516	Rolling mill machinery and equipment manufacturing ..	5	6	3	301	13 722	164	359	6 277	25 948	19 498	44 446	902
3336	Engine, turbine, and power transmission equipment manufacturing	5	22	11	1 286	55 027	727	1 552	25 752	180 880	119 460	292 999	9 038

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 ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.												
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing—Con.												
33361	Engine, turbine, and power transmission equipment manufacturing	5	22	11	1 286	55 027	727	1 552	25 752	180 880	119 460	292 999	9 038
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2	8	4	e	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing	7	8	4	518	25 791	236	518	8 813	125 178	53 748	174 715	3 931
3339	Other general purpose machinery manufacturing	—	'132	'44	'6 825	'330 888	'3 701	'6 216	'144 703	'806 133	'479 201	'1 302 739	'31 502
33392	Material handling equipment manufacturing	3	27	16	1 586	63 218	966	1 787	29 332	87 962	65 962	154 984	2 534
333922	Conveyor and conveying equipment manufacturing ..	4	16	9	815	34 346	456	881	14 375	70 466	49 304	121 297	1 697
333923	Overhead traveling crane, hoist, and monorail system manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	97	25	5 093	261 203	2 662	4 283	112 661	704 619	402 158	1 123 236	28 671
333992	Welding and soldering equipment manufacturing ..	—	9	4	h	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	—	10	5	973	45 678	353	642	14 181	60 242	64 706	128 898	1 067
333999	All other miscellaneous general purpose machinery manufacturing	1	45	6	505	19 850	341	614	11 148	42 091	19 383	62 060	1 279
334	Computer and electronic product manufacturing	—	148	62	7 571	331 470	3 432	6 632	108 029	815 093	747 899	1 575 070	40 469
3342	Communications equipment manufacturing	—	11	4	e	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	50	23	1 628	49 472	1 135	2 029	25 014	100 437	84 027	188 003	3 471
33441	Semiconductor and other electronic component manufacturing	—	50	23	1 628	49 472	1 135	2 029	25 014	100 437	84 027	188 003	3 471
334412	Bare printed circuit board manufacturing	2	12	6	277	8 272	210	403	5 393	19 316	14 674	34 264	829
334418	Printed circuit assembly (electronic assembly) manufacturing	—	8	5	549	15 610	432	806	9 357	28 142	43 393	73 762	503
334419	Other electronic component manufacturing	—	20	7	383	12 370	240	445	5 609	26 318	14 335	40 491	1 412
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	69	30	5 205	252 041	1 918	3 900	71 936	640 541	566 785	1 214 920	33 955
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	69	30	5 205	252 041	1 918	3 900	71 936	640 541	566 785	1 214 920	33 955
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	9	5	1	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	11	5	1 528	77 987	407	825	18 282	183 897	67 366	252 553	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	—	15	10	1 480	69 557	568	1 097	20 468	119 167	108 736	231 071	9 815
334517	Irradiation apparatus manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	1	16	5	630	30 800	341	746	12 336	57 604	37 354	98 945	3 520

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.													
335	Electrical equipment, appliance, and component manufacturing	1	107	49	5 391	188 701	3 627	6 687	101 250	589 439	459 533	1 049 556	35 670
3351	Electric lighting equipment manufacturing	—	23	11	1 709	61 943	1 060	2 092	29 039	191 683	154 074	347 110	28 709
33511	Electric lamp bulb and part manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	20	8	g	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	—	7	4	668	24 890	362	739	7 262	75 413	66 998	138 360	D
3352	Household appliance manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	3	6	5	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	1	38	15	1 250	43 291	809	1 346	21 572	186 887	108 285	291 449	2 455
33531	Electrical equipment manufacturing	1	38	15	1 250	43 291	809	1 346	21 572	186 887	108 285	291 449	2 455
335312	Motor and generator manufacturing	7	7	4	e	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	1	13	5	e	D	D	D	D	D	D	D	989
335314	Relay and industrial control manufacturing	—	17	6	541	21 546	241	465	6 952	128 023	62 567	187 057	929
3359	Other electrical equipment and component manufacturing	1	40	18	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ..	—	20	10	1 017	33 653	733	1 224	20 519	80 610	66 452	146 233	D
335931	Current-carrying wiring device manufacturing	—	15	6	683	19 596	477	715	11 507	44 653	31 613	76 718	762
335932	Noncurrent-carrying wiring device manufacturing	—	5	4	334	14 057	256	509	9 012	35 957	34 839	69 515	D
33599	All other electrical equipment and component manufacturing	1	13	5	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	160	92	27 652	1 277 403	23 154	39 884	987 269	2 934 779	5 328 419	8 278 408	153 121
3361	Motor vehicle manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	112	65	20 961	862 707	18 047	28 941	682 241	1 647 050	2 633 085	4 279 002	131 351
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	11	2	i	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, and valve manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	7	1	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	8	2	304	10 251	186	369	4 608	29 823	32 454	61 209	524
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	8	2	304	10 251	186	369	4 608	29 823	32 454	61 209	524
33634	Motor vehicle brake system manufacturing	—	6	5	2 266	79 368	1 841	3 538	52 794	210 814	327 754	537 642	D
336340	Motor vehicle brake system manufacturing	—	6	5	2 266	79 368	1 841	3 538	52 794	210 814	327 754	537 642	D
33636	Motor vehicle seating and interior trim manufacturing ..	4	4	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	4	4	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	55	40	10 906	516 585	9 302	17 757	418 670	994 776	954 351	1 947 705	68 521
336370	Motor vehicle metal stamping	—	55	40	10 906	516 585	9 302	17 757	418 670	994 776	954 351	1 947 705	68 521
33639	Other motor vehicle parts manufacturing	4	20	7	539	21 169	381	755	13 574	55 720	60 867	116 259	3 408
336399	All other motor vehicle parts manufacturing	4	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
	CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA—Con.													
	Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing—Con.													
3364	Aerospace product and parts manufacturing	-	24	19	h	D	D	D	D	D	D	D	D	
33641	Aerospace product and parts manufacturing	-	24	19	h	D	D	D	D	D	D	D	D	
336412	Aircraft engine and engine parts manufacturing	-	13	11	g	D	D	D	D	D	D	D	D	
336413	Other aircraft parts and auxiliary equipment manufacturing	-	8	7	g	D	D	D	D	D	D	D	D	
3369	Other transportation equipment manufacturing	2	11	4		325	12 764	211	430	7 222	35 700	34 065	68 757	730
33699	Other transportation equipment manufacturing	2	11	4		325	12 764	211	430	7 222	35 700	34 065	68 757	730
337	Furniture and related product manufacturing	-	136	21		5 021	166 307	4 162	8 584	123 907	485 781	352 908	838 681	11 803
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	103	9		3 912	127 906	3 292	6 941	96 938	415 454	305 877	721 125	D
33711	Wood kitchen cabinet and countertop manufacturing	-	77	5		3 625	119 479	3 066	6 526	92 006	398 735	286 793	685 286	9 217
337110	Wood kitchen cabinet and countertop manufacturing ..	-	77	5		3 625	119 479	3 066	6 526	92 006	398 735	286 793	685 286	9 217
33712	Household and institutional furniture manufacturing	1	26	4		287	8 427	226	415	4 932	16 719	19 084	35 839	D
3372	Office furniture (including fixtures) manufacturing	-	27	10		815	27 925	652	1 266	19 660	35 927	18 798	54 802	1 616
33721	Office furniture (including fixtures) manufacturing	-	27	10		815	27 925	652	1 266	19 660	35 927	18 798	54 802	1 616
337212	Custom architectural woodwork and millwork manufacturing	-	11	7		303	13 251	191	392	7 737	23 958	11 271	35 233	1 376
337215	Showcase, partition, shelving, and locker manufacturing	2	13	2	e	D	D	D	D	D	D	D	D	230
3379	Other furniture related product manufacturing	-	6	2		294	10 476	218	377	7 309	34 400	28 233	62 754	D
33791	Mattress manufacturing	-	3	2		263	9 753	196	344	6 938	33 047	27 029	60 197	269
337910	Mattress manufacturing	-	3	2		263	9 753	196	344	6 938	33 047	27 029	60 197	269
339	Miscellaneous manufacturing	1	320	88		9 533	333 192	6 177	11 915	164 058	935 749	530 823	1 450 712	46 980
3391	Medical equipment and supplies manufacturing	1	117	34		4 846	176 810	2 957	5 778	80 769	567 207	290 818	856 050	33 015
33911	Medical equipment and supplies manufacturing	1	117	34		4 846	176 810	2 957	5 778	80 769	567 207	290 818	856 050	33 015
339111	Laboratory apparatus and furniture manufacturing	4	7	3		262	8 773	122	252	3 064	12 339	14 617	27 487	1 170
339112	Surgical and medical instrument manufacturing ..	-	15	6		696	28 496	375	711	8 989	122 488	40 727	164 225	3 836
339113	Surgical appliance and supplies manufacturing	-	31	15		3 226	121 057	1 979	3 911	56 267	400 947	223 219	620 390	24 225
339116	Dental laboratories	3	54	6		401	10 845	303	572	7 513	18 343	3 890	22 888	1 376
3399	Other miscellaneous manufacturing	1	203	54		4 687	156 382	3 220	6 137	83 289	368 542	240 005	594 662	13 965
33993	Doll, toy, and game manufacturing	-	7	3		301	8 686	207	366	4 339	13 273	11 370	26 916	145
339932	Game, toy, and children's vehicle manufacturing	-	6	2	e	D	D	D	D	D	D	D	D	D
33995	Sign manufacturing	1	53	10		906	32 230	534	1 032	14 219	93 113	46 098	135 199	1 596
339950	Sign manufacturing	1	53	10		906	32 230	534	1 032	14 219	93 113	46 098	135 199	1 596
33999	All other miscellaneous manufacturing	1	108	35		3 101	102 840	2 248	4 291	58 498	233 534	145 379	365 645	11 624
339991	Gasket, packing, and sealing device manufacturing	2	16	8		628	24 669	418	802	12 243	53 049	31 073	82 960	4 049
339992	Musical instrument manufacturing	-	9	4	e	D	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	1	14	7		861	26 760	640	1 271	15 986	55 992	47 434	104 245	2 019
339999	All other miscellaneous manufacturing	1	63	15		1 155	36 436	798	1 484	18 787	74 119	51 091	124 546	4 419

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA												
31-33	Manufacturing	-	1 879	675	99 410	4 076 635	70 908	141 060	2 564 034	16 717 314	18 259 720	35 061 474	1 083 500
311	Food manufacturing	-	128	47	i	D	D	D	D	D	D	D	D
3111	Animal food manufacturing	-	10	2	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	-	10	2	f	D	D	D	D	D	D	D	D
311111	Dog and cat food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	2	5	5	f	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	4	2	2	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending	9	1	1	e	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	6	4	e	D	D	D	D	D	D	D	1 358
31141	Frozen food manufacturing	-	5	3	e	D	D	D	D	D	D	D	1 358
311412	Frozen specialty food manufacturing	-	5	3	e	D	D	D	D	D	D	D	1 358
3115	Dairy product manufacturing	-	10	5	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	-	5	2	e	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	1	17	9	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	1	17	9	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	6	5	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	53	14	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	47	11	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	5	36	4	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	9	6	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	5	3	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	-	17	7	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	1	5	2	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	-	9	2	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	-	7	2	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	3	13	7	h	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	3	13	7	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	7	8	6	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	7	4	4	g	D	D	D	D	D	D	D	D
31212	Breweries	-	3	1	f	D	D	D	D	D	D	D	D
312120	Breweries	-	3	1	f	D	D	D	D	D	D	D	D
314	Textile product mills	3	35	5	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	2	24	4	e	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	2	15	3	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	1	13	3	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	15	3	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	13	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
321	Wood product manufacturing	1	75	27	g	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	—	13	10	f	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	13	10	f	D	D	D	D	D	D	D	D
321214	Truss manufacturing	—	9	8	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	1	50	14	f	D	D	D	D	D	D	D	D
32191	Millwork	—	21	7	e	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	—	11	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	43	29	h	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	—	4	4	g	D	D	D	D	D	D	D	D
32212	Paper mills	—	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
3222	Converted paper product manufacturing	—	39	25	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	1	27	19	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	1	21	15	g	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	—	6	2	e	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	234	61	h	D	D	D	D	D	D	D	D
3231	Printing and related support activities	1	234	61	h	D	D	D	D	D	D	D	D
32311	Printing	1	216	58	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	100	41	h	D	D	D	D	D	D	D	D
323113	Commercial screen printing	1	38	7	f	D	D	D	D	D	D	D	D
323115	Digital printing	—	4	2	268	8 091	210	230	5 797	12 856	6 310	19 060	D
32312	Support activities for printing	2	18	3	277	10 610	203	349	6 452	19 901	3 689	23 503	2 303
324	Petroleum and coal products manufacturing	1	18	3	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	1	18	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	83	36	i	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
32521	Resin and synthetic rubber manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
325211	Plastics material and resin manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
32531	Fertilizer manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	7	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	7	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	21	12	2 274	122 909	871	1 650	32 211	360 837	485 974	847 267	11 250
32551	Paint and coating manufacturing	—	12	6	1 642	87 355	606	1 115	22 768	250 061	406 130	657 540	9 977
325510	Paint and coating manufacturing	—	12	6	1 642	87 355	606	1 115	22 768	250 061	406 130	657 540	9 977
32552	Adhesive manufacturing	—	9	6	632	35 554	265	535	9 443	110 776	79 844	189 727	1 273
325520	Adhesive manufacturing	—	9	6	632	35 554	265	535	9 443	110 776	79 844	189 727	1 273

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 ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing . . .	5	7	2	286	10 989	199	421	6 230	33 487	38 535	71 860	D
32561	Soap and cleaning compound manufacturing	4	5	2	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	2	23	8	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing . . .	2	19	7	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	109	61	i	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	—	96	55	i	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and un laminated film and sheet manufacturing	—	7	7	1 166	56 958	763	1 646	32 972	125 630	175 293	300 503	D
326113	Un laminated plastics film and sheet (except packaging) manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	2	7	3	251	7 913	172	302	4 462	17 871	25 932	43 337	697
32619	Other plastics product manufacturing	—	65	37	i	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	61	36	i	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	13	6	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	—	5	2	e	D	D	D	D	D	D	D	668
326211	Tire manufacturing (except retreading)	—	1	1	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	2	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	120	54	i	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	—	11	5	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	—	23	12	h	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	23	12	h	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	9	6	h	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	2	14	6	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	61	27	g	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	—	38	12	f	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	—	38	12	f	D	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing	2	11	9	436	15 360	283	604	10 213	41 924	27 993	69 540	8 188
327331	Concrete block and brick manufacturing	—	7	5	255	9 187	135	280	5 429	20 748	19 524	40 404	D
32739	Other concrete product manufacturing	2	11	6	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	2	11	6	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	—	22	10	g	D	D	D	D	D	D	D	D
32791	Abrasive product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	—	19	8	g	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing	—	10	6	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.													
331	Primary metal manufacturing	-	36	17	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	4	3	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	-	5	2	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	-	3	1	e	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	3	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	3	2	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	-	6	1	307	12 458	209	483	6 699	33 821	39 029	73 871	D
3315	Foundries	-	18	9	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	13	8	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	-	4	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	369	113	j	D	D	D	D	D	D	D	D
3321	Forging and stamping.....	-	16	10	g	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	16	10	g	D	D	D	D	D	D	D	D
332111	Iron and steel forging	-	2	2	e	D	D	D	D	D	D	D	D
332116	Metal stamping	-	11	6	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	2	16	4	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	2	16	4	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	3	85	32	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	6	26	11	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing	9	6	3	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	2	16	6	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	1	59	21	g	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	36	12	f	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	1	20	8	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	-	20	10	g	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	-	4	2	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	-	7	4	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	-	7	4	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	-	9	4	566	23 392	466	1 058	17 493	78 685	180 428	263 667	4 225
332431	Metal can manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	5	6	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	5	20	8	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	5	20	8	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	7	14	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 ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)	
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.													
332	Fabricated metal product manufacturing—Con.													
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	144	16	g	D	D	D	D	D	D	D		
33271	Machine shops	3	129	12	f	D	D	D	D	D	D	D		
332710	Machine shops	3	129	12	f	D	D	D	D	D	D	D		
33272	Turned product and screw, nut, and bolt manufacturing	2	15	4	e	D	D	D	D	D	D	D		
332721	Precision turned product manufacturing	1	12	4	e	D	D	D	D	D	D	D		
3328	Coating, engraving, heat treating, and allied activities	—	25	9	g	D	D	D	D	D	D	D		
33281	Coating, engraving, heat treating, and allied activities ..	—	25	9	g	D	D	D	D	D	D	D		
332813	Electroplating, plating, polishing, anodizing, and coloring	—	11	6		800	19 701	700	1 283	14 294	40 149	30 701	70 721	1 455
3329	Other fabricated metal product manufacturing	—	38	21	g	D	D	D	D	D	D	D	D	
33291	Metal valve manufacturing	—	3	2	e	D	D	D	D	D	D	D	D	
332911	Industrial valve manufacturing	—	2	2	e	D	D	D	D	D	D	D	D	
33299	All other fabricated metal product manufacturing	—	35	19	g	D	D	D	D	D	D	D	D	
332996	Fabricated pipe and pipe fitting manufacturing	—	5	4	e	D	D	D	D	D	D	D	D	
332999	All other miscellaneous fabricated metal product manufacturing	—	23	13	f	D	D	D	D	D	D	D	D	
333	Machinery manufacturing	—	134	52	i	D	D	D	D	D	D	D	D	
3332	Industrial machinery manufacturing	2	19	7	e	D	D	D	D	D	D	D	D	
33329	Other industrial machinery manufacturing	2	15	4	e	D	D	D	D	D	D	D	D	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	10	8	g	D	D	D	D	D	D	D	D	
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	10	8	g	D	D	D	D	D	D	D	D	
333411	Air purification equipment manufacturing	—	5	4	f	D	D	D	D	D	D	D	D	
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	4	4		1 525	73 539	871	1 670	27 155	226 806	160 233	399 486	D
3335	Metalworking machinery manufacturing	—	37	8	f	D	D	D	D	D	D	D	D	
33351	Metalworking machinery manufacturing	—	37	8	f	D	D	D	D	D	D	D	D	
3336	Engine, turbine, and power transmission equipment manufacturing	—	6	4	g	D	D	D	D	D	D	D	D	
33361	Engine, turbine, and power transmission equipment manufacturing	—	6	4	g	D	D	D	D	D	D	D	D	
333611	Turbine and turbine generator set units manufacturing	—	3	3	g	D	D	D	D	D	D	D	D	
3339	Other general purpose machinery manufacturing	—	50	22	h	D	D	D	D	D	D	D	D	
33391	Pump and compressor manufacturing	—	4	3	f	D	D	D	D	D	D	D	D	
333912	Air and gas compressor manufacturing	—	3	2	e	D	D	D	D	D	D	D	D	
33392	Material handling equipment manufacturing	3	16	7	f	D	D	D	D	D	D	D	D	
333922	Conveyor and conveying equipment manufacturing ..	5	9	6	e	D	D	D	D	D	D	D	D	
33399	All other general purpose machinery manufacturing	—	30	12		1 677	90 095	1 064	1 989	53 398	235 859	293 765	485 219	7 113
333992	Welding and soldering equipment manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D	
333996	Fluid power pump and motor manufacturing	—	4	1	e	D	D	D	D	D	D	D	D	
333997	Scale and balance (except laboratory) 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.

[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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
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	7	12	3	328	14 842	168	266	4 744	20 696	15 963	36 873	D
334	Computer and electronic product manufacturing	—	70	26	i	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	4	1	e	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	8	2	h	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	3	16	7	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	3	16	7	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	4	9	4	e	D	D	D	D	D	D	D	2 341
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	34	14	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	34	14	f	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	7	5	370	19 314	138	289	6 187	49 554	23 628	74 308	1 619
3346	Manufacturing and reproducing magnetic and optical media.....	1	6	2	e	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	1	6	2	e	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	1	4	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing.....	1	34	19	i	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	4	8	7	1 398	51 246	1 171	2 254	39 500	257 869	88 320	345 736	5 189
33511	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing..	7	7	6	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing	7	5	4	f	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	4	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	2	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	2	1	h	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	2	11	6	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	2	11	6	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	—	3	2	f	D	D	D	D	D	D	D	D

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	—	7	3		314	14 092	147	288	4 704	33 508	21 590	54 187
335999	All other miscellaneous electrical equipment and component manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	80	57	j	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	4	3	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	1	12	10	f	D	D	D	D	D	D	D	704
33621	Motor vehicle body and trailer manufacturing	1	12	10	f	D	D	D	D	D	D	D	704
336211	Motor vehicle body manufacturing	1	8	7	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	55	41	i	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	6	5	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	6	5	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	6	6	g	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	6	6	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	8	8	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	8	8	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	2	14	8	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	2	13	7	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	113	24	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	82	9	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	4	51	3	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing	4	51	3	e	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	—	31	6	e	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.													
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing	—	24	10	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	—	24	10	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing	—	10	5	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	—	13	5	e	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing	1	7	5	344	11 890	230	401	7 770	41 991	30 920	72 882	959
339	Miscellaneous manufacturing	1	158	32	h	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	—	64	10	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	—	64	10	g	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	—	6	3	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	94	22	g	D	D	D	D	D	D	D	D
33995	Sign manufacturing	2	50	13	f	D	D	D	D	D	D	D	D
339950	Sign manufacturing	2	50	13	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	27	7	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	—	20	5	e	D	D	D	D	D	D	D	D
Chillicothe, OH Micropolitan Statistical Area													
31-33	Manufacturing	—	45	11	3 619	189 199	2 729	6 211	126 124	699 705	1 098 583	1 797 792	40 705
322	Paper manufacturing	—	4	2	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	—	2	2	g	D	D	D	D	D	D	D	D
32212	Paper mills	—	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
336	Transportation equipment manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
Columbus, OH Metropolitan Statistical Area													
31-33	Manufacturing	—	1 632	570	81 187	3 348 572	56 794	111 785	2 062 686	14 216 511	14 512 331	28 832 091	906 118
311	Food manufacturing	—	106	38	6 526	246 752	4 375	8 908	161 128	1 759 612	974 958	2 741 618	47 744
3111	Animal food manufacturing	—	6	1	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	—	6	1	f	D	D	D	D	D	D	D	D
311111	Dog and cat food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	4	3	3	695	29 391	440	854	17 418	94 842	135 781	230 229	D
31122	Starch and vegetable fats and oils manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending	9	1	1	e	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
311	Food manufacturing—Con.												
3114	Fruit and vegetable preserving and specialty food manufacturing	—	6	4	e	D	D	D	D	D	D	D	1 358
31141	Frozen food manufacturing	—	5	3	e	D	D	D	D	D	D	D	1 358
311412	Frozen specialty food manufacturing	—	5	3	e	D	D	D	D	D	D	D	1 358
3115	Dairy product manufacturing	—	9	5	1 098	42 065	749	1 681	29 606	396 403	235 758	638 139	8 929
31151	Dairy product (except frozen) manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	1	14	7	461	13 975	368	813	9 504	30 832	86 906	117 337	7 767
31161	Animal slaughtering and processing	1	14	7	461	13 975	368	813	9 504	30 832	86 906	117 337	7 767
311612	Meat processed from carcasses	—	5	4	276	9 249	223	492	6 296	21 981	57 840	79 423	D
3118	Bakeries and tortilla manufacturing	—	45	12	2 175	70 901	1 272	2 093	37 376	123 920	138 787	264 587	7 898
31181	Bread and bakery product manufacturing	—	41	11	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	5	31	4	308	4 686	161	217	2 424	8 872	4 077	12 945	332
311812	Commercial bakeries	—	8	6	1 576	57 003	881	1 543	29 008	91 073	123 830	216 679	6 730
3119	Other food manufacturing	—	14	5	799	26 686	466	1 042	17 629	693 504	212 613	905 887	4 345
31194	Seasoning and dressing manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	3	12	7	2 513	105 529	1 163	2 375	46 209	800 104	761 791	1 564 292	34 850
3121	Beverage manufacturing	3	12	7	2 513	105 529	1 163	2 375	46 209	800 104	761 791	1 564 292	34 850
31211	Soft drink and ice manufacturing	7	8	6	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	7	4	4	g	D	D	D	D	D	D	D	D
31212	Breweries	—	3	1	f	D	D	D	D	D	D	D	D
312120	Breweries	—	3	1	f	D	D	D	D	D	D	D	D
314	Textile product mills	3	32	5	438	10 152	373	594	7 249	20 037	12 524	32 903	301
3149	Other textile product mills	2	22	4	360	8 417	327	518	6 524	15 945	8 221	24 539	247
31499	All other textile product mills ...	2	13	3	282	5 825	259	386	4 501	12 333	6 198	18 904	217
314999	All other miscellaneous textile product mills	1	11	3	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	14	3	e	D	D	D	D	D	D	D	129
3152	Cut and sew apparel manufacturing	2	12	3	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	61	23	1 365	38 682	1 067	2 017	26 986	78 031	97 931	175 081	5 499
3212	Veneer, plywood, and engineered wood product manufacturing	—	11	9	602	16 245	507	934	11 365	23 213	33 929	57 996	3 139
32121	Veneer, plywood, and engineered wood product manufacturing	—	11	9	602	16 245	507	934	11 365	23 213	33 929	57 996	3 139
321214	Truss manufacturing	—	7	7	349	9 360	267	569	5 397	16 835	17 930	35 622	D
3219	Other wood product manufacturing	1	42	11	663	19 145	490	946	13 722	47 582	41 801	87 659	2 007
32191	Millwork	—	16	5	334	10 060	221	404	6 917	24 646	24 764	49 157	772
322	Paper manufacturing	—	28	18	1 435	53 013	1 089	2 185	35 539	140 038	214 256	353 640	4 903
3222	Converted paper product manufacturing	—	26	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	17	13	1 086	39 812	803	1 561	26 375	101 035	166 778	267 483	3 320
322211	Corrugated and solid fiber box manufacturing	—	12	10	812	30 202	578	1 095	18 462	77 505	142 509	220 383	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
323	Printing and related support activities	1	212	52	4 504	165 232	3 192	6 034	103 951	348 951	217 320	566 407	29 436
3231	Printing and related support activities	1	212	52	4 504	165 232	3 192	6 034	103 951	348 951	217 320	566 407	29 436
32311	Printing	1	194	49	4 227	154 622	2 989	5 685	97 499	329 050	213 631	542 904	27 133
323110	Commercial lithographic printing	1	89	38	3 124	120 168	2 225	4 363	76 596	242 343	171 638	415 202	21 485
323113	Commercial screen printing ..	1	36	5	445	13 752	311	623	8 138	28 631	14 786	43 336	1 091
323115	Digital printing	—	4	2	268	8 091	210	230	5 797	12 856	6 310	19 060	D
32312	Support activities for printing...	2	18	3	277	10 610	203	349	6 452	19 901	3 689	23 503	2 303
325	Chemical manufacturing	—	79	33	5 168	265 238	2 759	5 591	110 854	929 240	1 317 951	2 252 981	67 510
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
32521	Resin and synthetic rubber manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
325211	Plastics material and resin manufacturing	1	8	6	682	33 237	436	913	18 893	100 310	198 494	298 557	5 864
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
32531	Fertilizer manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	7	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	7	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	21	12	2 274	122 909	871	1 650	32 211	360 837	485 974	847 267	11 250
32551	Paint and coating manufacturing	—	12	6	1 642	87 355	606	1 115	22 768	250 061	406 130	657 540	9 977
325510	Paint and coating manufacturing	—	12	6	1 642	87 355	606	1 115	22 768	250 061	406 130	657 540	9 977
32552	Adhesive manufacturing	—	9	6	632	35 554	265	535	9 443	110 776	79 844	189 727	1 273
325520	Adhesive manufacturing	—	9	6	632	35 554	265	535	9 443	110 776	79 844	189 727	1 273
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	5	7	2	286	10 989	199	421	6 230	33 487	38 535	71 860	D
32561	Soap and cleaning compound manufacturing	4	5	2	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	3	22	7	436	19 765	311	597	13 555	55 971	70 832	129 500	9 054
32599	All other chemical product and preparation manufacturing ...	3	18	6	363	17 092	264	546	12 274	46 131	64 460	114 056	D
326	Plastics and rubber products manufacturing	—	98	53	7 367	264 730	5 699	11 306	174 693	597 516	690 382	1 296 782	145 769
3261	Plastics product manufacturing ..	—	87	49	6 677	237 256	5 182	10 279	156 918	530 503	587 347	1 125 011	144 357
32611	Plastics packaging materials and un laminated film and sheet manufacturing	—	7	7	1 166	56 958	763	1 646	32 972	125 630	175 293	300 503	D
326113	Un laminated plastics film and sheet (except packaging) manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	2	7	3	251	7 913	172	302	4 462	17 871	25 932	43 337	697
32619	Other plastics product manufacturing	—	58	32	4 803	157 931	3 862	7 522	108 700	338 130	328 887	675 814	51 490
326199	All other plastics product manufacturing	—	54	31	4 752	155 571	3 830	7 446	107 462	334 526	327 347	670 673	51 440
3262	Rubber product manufacturing ...	—	11	4	690	27 474	517	1 027	17 775	67 013	103 035	171 771	1 412
32621	Tire manufacturing	—	5	2	e	D	D	D	D	D	D	D	668
326211	Tire manufacturing (except retreading)	—	1	1	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing	—	99	47	7 432	283 714	5 666	11 632	182 877	909 731	461 089	1 375 968	68 296
3271	Clay product and refractory manufacturing	—	8	4	e	D	D	D	D	D	D	D	2 983
32712	Clay building material and refractories manufacturing	—	4	3	299	14 079	147	285	4 320	35 419	28 682	64 841	D
3272	Glass and glass product manufacturing	—	21	12	3 469	132 485	2 631	5 587	86 020	363 413	146 972	518 139	22 529
32721	Glass and glass product manufacturing	—	21	12	3 469	132 485	2 631	5 587	86 020	363 413	146 972	518 139	22 529
327212	Other pressed and blown glass and glassware manufacturing	—	8	6	3 187	124 890	2 408	5 150	80 900	345 710	136 172	489 830	21 673
327215	Glass product manufacturing made of purchased glass ..	2	13	6	282	7 595	223	437	5 120	17 703	10 800	28 309	856
3273	Cement and concrete product manufacturing	1	48	22	1 278	46 795	986	2 063	34 288	111 666	99 970	210 984	13 150
32732	Ready-mix concrete manufacturing	—	28	9	601	23 218	531	1 161	19 183	53 437	63 829	117 138	4 326
327320	Ready-mix concrete manufacturing	—	28	9	601	23 218	531	1 161	19 183	53 437	63 829	117 138	4 326
32733	Concrete pipe, brick, and block manufacturing	2	11	9	436	15 360	283	604	10 213	41 924	27 993	69 540	8 188
327331	Concrete block and brick manufacturing	—	7	5	255	9 187	135	280	5 429	20 748	19 524	40 404	D
3279	Other nonmetallic mineral product manufacturing	—	19	9	2 310	87 054	1 850	3 576	56 343	391 344	180 010	568 545	29 522
32791	Abrasive product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
327910	Abrasive product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	—	16	7	g	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing ..	—	9	5	1 527	42 368	1 412	2 614	35 143	281 386	126 807	404 875	D
331	Primary metal manufacturing	—	29	14	2 292	85 043	1 780	3 591	57 408	238 925	292 150	528 251	13 053
3312	Steel product manufacturing from purchased steel	—	3	1	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	3	1	e	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	3	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	3	2	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	6	1	307	12 458	209	483	6 699	33 821	39 029	73 871	D
3315	Foundries	—	15	8	1 272	37 892	1 058	2 132	30 508	88 844	53 677	144 541	1 978
33151	Ferrous metal foundries	—	10	7	1 209	35 139	1 014	2 052	28 676	84 634	51 370	138 144	1 951
331513	Steel foundries (except investment)	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	310	92	9 086	356 521	6 905	14 193	240 446	946 444	961 222	1 918 758	46 446
3321	Forging and stamping.....	—	13	8	752	32 133	572	1 145	22 235	86 813	72 782	161 601	4 446
33211	Forging and stamping.....	—	13	8	752	32 133	572	1 145	22 235	86 813	72 782	161 601	4 446
332116	Metal stamping	—	9	5	321	11 104	221	430	6 677	23 059	10 654	34 262	412
3322	Cutlery and handtool manufacturing	2	14	4	e	D	D	D	D	D	D	D	1 063
33221	Cutlery and handtool manufacturing	2	14	4	e	D	D	D	D	D	D	D	1 063
3323	Architectural and structural metals manufacturing	2	70	23	1 433	49 732	1 023	2 070	30 363	113 768	144 127	259 322	10 260
33231	Plate work and fabricated structural product manufacturing	3	20	7	399	14 113	292	607	8 579	37 607	40 954	79 946	4 785
332312	Fabricated structural metal manufacturing	3	13	5	292	10 367	221	450	6 969	31 626	32 899	66 026	4 653

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing—Con.												
33232	Ornamental and architectural metal products manufacturing	1	50	16	1 034	35 619	731	1 463	21 784	76 161	103 173	179 376	5 475
332322	Sheet metal work manufacturing	1	32	10	625	22 215	457	954	13 546	40 401	74 446	115 650	2 843
332323	Ornamental and architectural metal work manufacturing ..	1	16	6	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	—	19	10	1 704	76 402	1 247	2 900	51 604	218 727	323 504	545 708	14 777
33241	Power boiler and heat exchanger manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	—	3	2	e	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	—	9	4	566	23 392	466	1 058	17 493	78 685	180 428	263 667	4 225
332431	Metal can manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	5	6	2	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	6	16	6	410	12 288	312	596	8 117	25 850	20 763	44 011	D
33261	Spring and wire product manufacturing	6	16	6	410	12 288	312	596	8 117	25 850	20 763	44 011	D
332618	Other fabricated wire product manufacturing	6	12	4	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	122	14	947	33 526	736	1 480	22 619	67 302	31 599	100 354	2 101
33271	Machine shops	2	108	11	722	25 966	556	1 125	17 934	55 492	19 319	75 723	1 503
332710	Machine shops	2	108	11	722	25 966	556	1 125	17 934	55 492	19 319	75 723	1 503
3328	Coating, engraving, heat treating, and allied activities	—	23	9	1 047	31 889	868	1 646	21 806	80 805	42 148	122 824	2 562
33281	Coating, engraving, heat treating, and allied activities ..	—	23	9	1 047	31 889	868	1 646	21 806	80 805	42 148	122 824	2 562
332813	Electroplating, plating, polishing, anodizing, and coloring	—	11	6	800	19 701	700	1 283	14 294	40 149	30 701	70 721	1 455
3329	Other fabricated metal product manufacturing	—	30	17	1 349	50 680	939	1 807	28 257	124 811	115 472	245 603	7 528
33291	Metal valve manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	27	15	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	20	11	643	25 994	487	1 005	16 947	88 284	80 076	168 860	5 299
333	Machinery manufacturing	—	125	45	5 557	256 419	3 561	6 827	132 649	615 024	601 764	1 218 844	23 567
3332	Industrial machinery manufacturing	2	18	7	486	21 655	276	512	9 405	21 356	19 276	65 295	1 041
33329	Other industrial machinery manufacturing	2	14	4	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	9	7	2 005	83 586	1 261	2 348	33 172	245 730	176 986	435 013	9 827

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	9	7	2 005	83 586	1 261	2 348	33 172	245 730	176 986	435 013	9 827
333411	Air purification equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	4	4	1 525	73 539	871	1 670	27 155	226 806	160 233	399 486	D
3335	Metalworking machinery manufacturing	—	36	7	637	31 350	454	933	20 786	40 045	42 783	92 772	1 531
33351	Metalworking machinery manufacturing	—	36	7	637	31 350	454	933	20 786	40 045	42 783	92 772	1 531
3339	Other general purpose machinery manufacturing	1	47	19	2 063	105 769	1 302	2 479	61 157	275 977	331 721	563 451	8 151
33392	Material handling equipment manufacturing	3	15	6	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	30	12	1 677	90 095	1 064	1 989	53 398	235 859	293 765	485 219	7 113
333992	Welding and soldering equipment manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
333997	Scale and balance (except laboratory) manufacturing ..	—	3	2	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	7	12	3	328	14 842	168	266	4 744	20 696	15 963	36 873	D
334	Computer and electronic product manufacturing	—	68	26	5 056	196 023	2 480	3 891	96 404	1 237 979	1 233 438	2 553 887	17 482
3341	Computer and peripheral equipment manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	4	1	e	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	8	2	h	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	3	15	7	f	D	D	D	D	D	D	D	2 471
33441	Semiconductor and other electronic component manufacturing	3	15	7	f	D	D	D	D	D	D	D	2 471
334419	Other electronic component manufacturing	4	9	4	e	D	D	D	D	D	D	D	2 341
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	33	14	834	42 434	308	557	10 384	94 062	48 379	143 342	3 015
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	33	14	834	42 434	308	557	10 384	94 062	48 379	143 342	3 015
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	7	5	370	19 314	138	289	6 187	49 554	23 628	74 308	1 619
3346	Manufacturing and reproducing magnetic and optical media.....	1	6	2	e	D	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media...	1	6	2	e	D	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	1	4	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
335	Electrical equipment, appliance, and component manufacturing	3	28	16	2 645	94 484	2 062	4 039	63 777	343 600	169 143	513 348	8 492
3351	Electric lighting equipment manufacturing	4	8	7	1 398	51 246	1 171	2 254	39 500	257 869	88 320	345 736	5 189
33511	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	7	7	6	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing	7	5	4	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	8	4	726	22 434	558	1 104	13 967	37 142	39 050	76 411	1 712
33531	Electrical equipment manufacturing	—	8	4	726	22 434	558	1 104	13 967	37 142	39 050	76 411	1 712
335312	Motor and generator manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	—	7	3	314	14 092	147	288	4 704	33 508	21 590	54 187	545
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	5	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	67	45	14 426	725 208	11 108	21 560	519 719	4 821 557	6 222 496	11 030 448	371 833
3361	Motor vehicle manufacturing	—	3	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	1	12	10	f	D	D	D	D	D	D	D	704
33621	Motor vehicle body and trailer manufacturing	1	12	10	f	D	D	D	D	D	D	D	704
336211	Motor vehicle body manufacturing	1	8	7	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	44	31	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	7	7	968	44 378	674	1 445	26 220	117 592	125 392	241 142	D
336370	Motor vehicle metal stamping	—	7	7	968	44 378	674	1 445	26 220	117 592	125 392	241 142	D
33639	Other motor vehicle parts manufacturing	2	12	6	1 913	77 374	1 581	3 541	57 566	141 925	614 793	757 044	32 353
336399	All other motor vehicle parts manufacturing	2	11	5	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts 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.

[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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.												
	Columbus, OH Metropolitan Statistical Area—Con.												
337	Furniture and related product manufacturing	1	99	21	1 662	57 791	1 189	2 216	35 487	133 412	104 260	234 205	3 224
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	72	8	723	21 415	573	1 165	14 656	42 961	38 818	81 093	1 129
33711	Wood kitchen cabinet and countertop manufacturing ...	4	44	2	258	7 330	200	375	5 131	12 607	8 344	21 030	363
337110	Wood kitchen cabinet and countertop manufacturing ..	4	44	2	258	7 330	200	375	5 131	12 607	8 344	21 030	363
33712	Household and institutional furniture manufacturing	—	28	6	465	14 085	373	790	9 525	30 354	30 474	60 063	766
3372	Office furniture (including fixtures) manufacturing	—	20	8	595	24 486	386	650	13 061	48 460	34 522	80 230	1 136
33721	Office furniture (including fixtures) manufacturing	—	20	8	595	24 486	386	650	13 061	48 460	34 522	80 230	1 136
337212	Custom architectural woodwork and millwork manufacturing	—	9	5	344	14 267	205	467	7 323	29 320	20 644	47 308	797
3379	Other furniture related product manufacturing	1	7	5	344	11 890	230	401	7 770	41 991	30 920	72 882	959
339	Miscellaneous manufacturing	1	142	29	3 217	128 590	1 934	4 099	57 492	252 183	127 262	376 476	15 139
3391	Medical equipment and supplies manufacturing	—	57	9	1 821	77 155	1 053	2 318	31 492	152 568	45 355	197 126	11 094
33911	Medical equipment and supplies manufacturing	—	57	9	1 821	77 155	1 053	2 318	31 492	152 568	45 355	197 126	11 094
339112	Surgical and medical instrument manufacturing ..	—	5	2	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	85	20	1 396	51 435	881	1 781	26 000	99 615	81 907	179 350	4 045
33995	Sign manufacturing	2	47	12	739	28 203	454	902	14 044	51 002	34 467	84 688	1 440
339950	Sign manufacturing	2	47	12	739	28 203	454	902	14 044	51 002	34 467	84 688	1 440
33999	All other miscellaneous manufacturing	—	22	6	526	18 728	357	742	10 383	38 896	40 475	77 918	2 395
339999	All other miscellaneous manufacturing	—	15	4	280	10 398	170	328	5 012	17 494	14 064	31 273	1 167
	Marion, OH Micropolitan Statistical Area												
31-33	Manufacturing	—	87	39	7 166	254 481	5 771	11 815	194 657	1 082 747	1 475 855	2 563 427	54 399
311	Food manufacturing	—	9	5	951	34 327	757	1 595	25 478	173 330	427 537	602 420	21 655
3119	Other food manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	4	4	640	21 821	547	1 116	16 703	80 113	102 321	183 254	2 337
3222	Converted paper product manufacturing	—	4	4	640	21 821	547	1 116	16 703	80 113	102 321	183 254	2 337
32221	Paperboard container manufacturing	1	3	3	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	4	3	562	14 825	456	875	9 825	46 685	24 578	70 725	9 280
3261	Plastics product manufacturing ..	—	3	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	5	2	512	21 193	384	781	14 494	64 790	70 024	129 654	2 559
3311	Iron and steel mills and ferroalloy manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	26	8	634	19 705	346	642	13 394	52 385	35 211	86 500	3 973
3321	Forging and stamping.....	—	2	1	e	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	2	1	e	D	D	D	D	D	D	D	D
332111	Iron and steel forging	—	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.													
Marion, OH Micropolitan Statistical Area—Con.													
335	Electrical equipment, appliance, and component manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	5	4	408	13 718	329	645	8 695	65 757	250 656	316 210	3 493
3363	Motor vehicle parts manufacturing	—	5	4	408	13 718	329	645	8 695	65 757	250 656	316 210	3 493
Mount Vernon, OH Micropolitan Statistical Area													
31-33	Manufacturing	—	75	31	4 373	181 905	3 044	5 687	98 932	423 306	716 146	1 119 835	48 094
326	Plastics and rubber products manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
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	1	9	4	353	13 623	287	655	9 637	30 192	7 856	38 501	1 350
3273	Cement and concrete product manufacturing	1	6	3	e	D	D	D	D	D	D	D	1 299
32739	Other concrete product manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	3	16	7	466	15 239	370	741	10 363	33 403	27 959	61 158	17 982
333	Machinery manufacturing	—	5	4	g	D	D	D	D	D	D	D	8 184
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
333611	Turbine and turbine generator set units manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	4	4	919	31 688	745	1 458	22 147	108 696	274 486	385 280	15 869
3363	Motor vehicle parts manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
Washington, OH Micropolitan Statistical Area													
31-33	Manufacturing	1	40	24	3 065	102 478	2 570	5 562	81 635	295 045	456 805	748 329	34 184
311	Food manufacturing	—	6	4	585	16 285	489	1 074	14 088	63 645	97 742	160 582	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
311612	Meat processed from carcasses	—	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	All establishments ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
COLUMBUS-MARION-CHILLICOTHE, OH COMBINED STATISTICAL AREA—Con.													
Washington, OH Micropolitan Statistical Area—Con.													
326	Plastics and rubber products manufacturing	1	4	4	1 120	43 102	1 065	2 516	39 683	133 129	115 314	247 366	19 470
3261	Plastics product manufacturing ..	3	3	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	3	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	3	3	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	7	8	4	732	21 266	512	912	12 933	49 430	57 432	107 096	D
3323	Architectural and structural metals manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
332311	Prefabricated metal building and component manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA													
31-33	Manufacturing	—	'1 670	592	'83 036	'3 361 796	'60 947	'121 222	'2 218 719	'12 929 609	'13 772 272	'26 692 420	'643 753
311	Food manufacturing	1	75	24	h	D	D	D	D	D	D	D	D
3111	Animal food manufacturing	—	8	2	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	—	8	2	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing	—	7	1	e	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	—	3	2	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
3114	Fruit and vegetable preserving and specialty food manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	6	13	4	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	6	13	4	e	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	6	7	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	1	20	2	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	1	19	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	2	11	7	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
314	Textile product mills	3	24	5	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	3	18	5	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
321	Wood product manufacturing	—	48	18	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	—	41	16	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
32199	All other wood product manufacturing	—	12	6	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	33	19	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	—	2	2	e	D	D	D	D	D	D	D	D
32212	Paper mills	—	2	2	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	31	17	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	3	18	11	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	5	11	5	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	8	5	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	152	34	h	D	D	D	D	D	D	D	D
3231	Printing and related support activities	2	152	34	h	D	D	D	D	D	D	D	D
32311	Printing	1	137	31	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	59	16	g	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	—	6	3	1 014	47 526	386	755	15 474	117 486	72 453	190 715	2 860
323116	Manifold business forms printing	9	6	3	335	11 565	251	484	7 812	42 403	21 911	64 313	1 351
323118	Blankbook, looseleaf binders, and devices manufacturing ..	—	3	2	e	D	D	D	D	D	D	D	D
323119	Other commercial printing ..	—	10	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	43	19	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	2	10	4	e	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	1	6	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	100	54	i	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	81	43	i	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	3	12	7	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2	8	5	e	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	60	32	i	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	59	32	i	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	3	19	11	h	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	3	16	10	h	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	4	13	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.

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DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
327	Nonmetallic mineral product manufacturing	1	51	24	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	2	7	4	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	2	7	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	31	14	f	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	1	15	8	e	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	1	15	8	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	—	8	5	432	13 851	361	826	8 344	43 481	24 126	66 619	1 556
32791	Abrasive product manufacturing	—	5	4	377	11 905	314	729	6 803	39 204	21 923	60 107	1 414
327910	Abrasive product manufacturing	—	5	4	377	11 905	314	729	6 803	39 204	21 923	60 107	1 414
331	Primary metal manufacturing	—	36	18	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
33111	Iron and steel mills and ferroalloy manufacturing	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
331111	Iron and steel mills	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
3312	Steel product manufacturing from purchased steel	—	3	3	761	31 968	589	1 239	21 737	87 707	128 156	208 325	2 389
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	2	25	11	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	2	9	5	316	9 637	240	516	7 993	16 814	8 194	25 164	478
33152	Nonferrous metal foundries	3	16	6	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	467	143	j	D	D	D	D	D	D	D	D
3321	Forging and stamping	—	26	15	1 955	84 873	1 382	2 794	46 867	228 264	165 907	393 326	D
33211	Forging and stamping	—	26	15	1 955	84 873	1 382	2 794	46 867	228 264	165 907	393 326	D
332116	Metal stamping	—	20	11	g	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	14	9	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	14	9	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	14	9	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	1	63	16	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	1	28	7	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	—	12	4	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	2	35	9	492	18 317	337	649	10 370	36 166	24 497	60 500	D
332322	Sheet metal work manufacturing	1	29	8	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	1	13	7	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	1	13	7	f	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	242	55	h	D	D	D	D	D	D	D	D
33271	Machine shops	3	197	36	2 677	97 594	2 070	3 930	69 018	203 178	88 320	290 583	D
332710	Machine shops	3	197	36	2 677	97 594	2 070	3 930	69 018	203 178	88 320	290 583	D
33272	Turned product and screw, nut, and bolt manufacturing	1	45	19	g	D	D	D	D	D	D	D	D
332721	Precision turned product manufacturing	—	39	16	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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	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	-	60	22	g	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	60	22	g	D	D	D	D	D	D	D	D
332811	Metal heat treating	-	8	7	e	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	20	6	e	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	-	32	9	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	140	14	g	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	134	10	g	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	2	121	7	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	270	108	j	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	4	35	13	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	4	28	11	g	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	6	19	7	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	-	19	10	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	-	19	10	g	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	-	13	5	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	9	5	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	9	5	f	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	-	4	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	151	57	h	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	151	57	h	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	-	38	11	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	3	75	32	h	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing ..	1	22	4	e	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing ..	7	7	6	e	D	D	D	D	D	D	D	1 627
3336	Engine, turbine, and power transmission equipment manufacturing	-	9	2	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	9	2	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	-	2	1	g	D	D	D	D	D	D	D	D

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DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing	—	39	21	h	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
333913	Measuring and dispensing pump manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	27	13	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	—	5	3	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	—	13	7	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	67	27	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	—	9	3	1 097	52 140	392	828	15 030	138 406	101 532	239 887	10 095
33411	Computer and peripheral equipment manufacturing	—	9	3	1 097	52 140	392	828	15 030	138 406	101 532	239 887	10 095
334111	Electronic computer manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	3	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	20	13	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	20	13	g	D	D	D	D	D	D	D	D
334411	Electron tube manufacturing ..	—	2	2	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	1	4	4	387	9 199	316	565	5 849	18 777	30 532	49 688	D
334419	Other electronic component manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2	34	11	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	2	34	11	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	28	11	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	19	7	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	19	7	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	86	53	j	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	3	3	i	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
336112	Light truck and utility vehicle manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D

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DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	-	62	39	j	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	3	3	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	3	3	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	7	5	h	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	7	5	h	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
33637	Motor vehicle metal stamping	-	14	6	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	14	6	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	29	19	i	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	27	17	h	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	11	7	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	11	7	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	4	3	694	38 567	397	830	16 327	98 601	43 912	145 001	D
336413	Other aircraft parts and auxiliary equipment manufacturing	-	7	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	55	9	g	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	37	3	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	-	11	2	f	D	D	D	D	D	D	D	D
337124	Metal household furniture manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	5	15	6	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	5	15	6	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	98	20	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	44	9	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	44	9	g	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	5	3	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	54	11	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	20	3	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
Dayton, OH Metropolitan Statistical Area													
31-33	Manufacturing	-	1 336	468	65 221	2 668 758	47 416	94 669	1 744 584	10 603 328	11 024 121	21 638 801	472 981

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
	Dayton, OH Metropolitan Statistical Area—Con.												
311	Food manufacturing	1	53	16	2 173	82 742	1 367	2 627	45 354	279 428	429 670	709 914	34 083
3111	Animal food manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	—	3	2	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
3114	Fruit and vegetable preserving and specialty food manufacturing	1	7	4	406	11 296	318	683	7 205	45 848	59 716	105 532	2 258
31141	Frozen food manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	4	8	3	352	11 268	297	664	9 964	43 466	45 932	89 204	D
31161	Animal slaughtering and processing	4	8	3	352	11 268	297	664	9 964	43 466	45 932	89 204	D
3119	Other food manufacturing	3	8	4	376	15 906	131	268	3 890	64 526	52 176	116 384	3 037
31191	Snack food manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	3	20	3	340	8 542	259	426	4 319	12 736	12 404	25 265	831
3149	Other textile product mills	3	14	3	318	7 993	238	378	3 842	11 204	11 947	23 276	824
321	Wood product manufacturing	—	33	13	799	24 964	620	1 226	17 594	65 122	64 026	121 393	2 410
3219	Other wood product manufacturing	—	30	11	679	21 567	525	1 028	15 416	54 700	60 028	111 709	D
32199	All other wood product manufacturing	—	9	5	366	13 038	275	560	9 512	32 499	36 916	68 592	1 926
322	Paper manufacturing	1	25	16	1 689	77 399	1 113	2 496	45 302	239 200	274 615	519 991	12 216
3222	Converted paper product manufacturing	1	24	15	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	3	12	9	f	D	D	D	D	D	D	D	1 871
322211	Corrugated and solid fiber box manufacturing	4	6	4	488	18 826	316	746	11 647	39 180	61 314	100 587	1 141
32222	Paper bag and coated and treated paper manufacturing ..	—	7	5	792	41 644	526	1 152	24 070	156 440	166 171	329 331	9 621
322222	Coated and laminated paper manufacturing	—	7	5	792	41 644	526	1 152	24 070	156 440	166 171	329 331	9 621
323	Printing and related support activities	2	131	31	3 701	151 513	2 255	4 490	77 031	391 825	220 732	613 709	15 553
3231	Printing and related support activities	2	131	31	3 701	151 513	2 255	4 490	77 031	391 825	220 732	613 709	15 553
32311	Printing	2	117	28	3 518	142 975	2 122	4 234	71 614	371 740	216 553	589 378	14 466
323110	Commercial lithographic printing	2	50	15	1 397	54 562	969	1 983	32 320	98 940	85 336	184 437	8 849
323112	Commercial flexographic printing	—	6	3	1 014	47 526	386	755	15 474	117 486	72 453	190 715	2 860
323116	Manifold business forms printing	9	6	3	335	11 565	251	484	7 812	42 403	21 911	64 313	1 351
323118	Blankbook, looseleaf binders, and devices manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	36	16	1 145	49 598	720	1 355	25 682	160 186	147 129	304 597	14 353
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	2	9	4	361	13 550	238	421	6 407	29 582	15 095	46 101	D
32561	Soap and cleaning compound manufacturing	1	5	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	80	43	7 519	240 383	5 663	11 357	158 020	690 839	532 456	1 220 925	52 106

See footnotes at end of table.

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

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	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
	Dayton, OH Metropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing ..	1	62	32	4 491	138 621	3 147	6 338	81 287	358 659	338 170	697 592	45 845
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	6	7	4	266	10 152	191	394	6 831	44 494	34 732	79 365	1 801
32615	Urethane and other foam product (except polystyrene) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	47	24	3 750	113 386	2 581	5 183	64 969	279 155	263 054	543 759	40 417
326199	All other plastics product manufacturing	1	46	24	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	3	18	11	3 028	101 762	2 516	5 019	76 733	332 180	194 286	523 333	6 261
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	3	15	10	h	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	4	13	9	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	39	21	1 254	45 122	1 003	2 233	31 047	146 062	88 509	236 067	9 038
3273	Cement and concrete product manufacturing	—	23	13	649	25 407	489	1 059	17 911	90 168	48 427	141 634	6 680
32732	Ready-mix concrete manufacturing	—	12	7	280	11 068	219	498	8 419	29 149	29 612	58 872	3 851
327320	Ready-mix concrete manufacturing	—	12	7	280	11 068	219	498	8 419	29 149	29 612	58 872	3 851
3279	Other nonmetallic mineral product manufacturing	—	8	5	432	13 851	361	826	8 344	43 481	24 126	66 619	1 556
32791	Abrasive product manufacturing	—	5	4	377	11 905	314	729	6 803	39 204	21 923	60 107	1 414
327910	Abrasive product manufacturing	—	5	4	377	11 905	314	729	6 803	39 204	21 923	60 107	1 414
331	Primary metal manufacturing	—	30	16	1 836	71 587	1 430	3 044	51 394	161 580	202 349	354 254	4 493
3311	Iron and steel mills and ferroalloy manufacturing	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
33111	Iron and steel mills and ferroalloy manufacturing	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
331111	Iron and steel mills	—	3	3	377	16 363	300	674	11 946	30 747	46 185	74 481	504
3312	Steel product manufacturing from purchased steel	—	3	3	761	31 968	589	1 239	21 737	87 707	128 156	208 325	2 389
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	2	20	10	684	22 656	531	1 109	17 300	42 022	25 800	68 138	1 545
33151	Ferrous metal foundries	2	9	5	316	9 637	240	516	7 993	16 814	8 194	25 164	478
33152	Nonferrous metal foundries	2	11	5	368	13 019	291	593	9 307	25 208	17 606	42 974	1 067
332	Fabricated metal product manufacturing	1	373	114	9 069	349 150	6 633	13 300	221 043	710 096	419 339	1 137 052	32 863
3321	Forging and stamping	—	17	11	1 164	50 475	893	1 838	31 763	100 720	55 763	155 613	2 723
33211	Forging and stamping	—	17	11	1 164	50 475	893	1 838	31 763	100 720	55 763	155 613	2 723
332116	Metal stamping	1	13	7	773	33 753	606	1 250	21 600	67 482	33 314	99 775	D
3322	Cutlery and handtool manufacturing	—	11	8	679	29 204	438	932	16 151	53 990	27 108	83 301	1 436
33221	Cutlery and handtool manufacturing	—	11	8	679	29 204	438	932	16 151	53 990	27 108	83 301	1 436
332212	Hand and edge tool manufacturing	—	11	8	679	29 204	438	932	16 151	53 990	27 108	83 301	1 436

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
	Dayton, OH Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	1	48	15	904	34 737	581	1 165	17 730	75 499	49 097	129 125	2 845
33231	Plate work and fabricated structural product manufacturing	1	19	6	474	18 830	290	588	8 909	44 210	27 546	76 426	1 108
332312	Fabricated structural metal manufacturing	—	8	4	332	13 665	188	392	5 811	40 759	22 692	63 060	650
33232	Ornamental and architectural metal products manufacturing	1	29	9	430	15 907	291	577	8 821	31 289	21 551	52 699	1 737
332322	Sheet metal work manufacturing	1	25	8	380	13 700	265	546	8 250	27 228	19 992	47 131	D
3326	Spring and wire product manufacturing	1	10	6	506	14 987	406	814	10 822	31 915	14 713	46 803	D
33261	Spring and wire product manufacturing	1	10	6	506	14 987	406	814	10 822	31 915	14 713	46 803	D
332612	Spring (light gauge) manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	197	43	2 940	107 736	2 293	4 435	78 397	227 064	93 627	321 126	13 207
33271	Machine shops	3	160	28	2 157	76 670	1 665	3 115	54 980	164 256	71 156	234 413	7 813
332710	Machine shops	3	160	28	2 157	76 670	1 665	3 115	54 980	164 256	71 156	234 413	7 813
33272	Turned product and screw, nut, and bolt manufacturing	—	37	15	783	31 066	628	1 320	23 417	62 808	22 471	86 713	5 394
332721	Precision turned product manufacturing	—	32	12	658	26 686	528	1 101	20 512	54 449	16 654	72 331	5 166
3328	Coating, engraving, heat treating, and allied activities	—	51	18	1 191	36 312	893	1 724	23 522	76 529	30 535	106 968	4 613
33281	Coating, engraving, heat treating, and allied activities ..	—	51	18	1 191	36 312	893	1 724	23 522	76 529	30 535	106 968	4 613
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	17	6	383	11 733	302	575	8 166	23 101	14 997	38 033	2 122
332813	Electroplating, plating, polishing, anodizing, and coloring	—	28	7	597	17 381	430	803	10 151	40 843	10 761	51 655	2 078
3329	Other fabricated metal product manufacturing	—	32	10	1 479	68 360	976	2 088	37 651	110 602	91 720	202 900	2 902
33291	Metal valve manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	26	6	f	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	228	91	10 391	443 730	6 647	13 509	246 027	959 555	1 152 105	2 137 825	114 058
3332	Industrial machinery manufacturing	5	27	10	1 127	46 825	612	1 298	20 503	71 064	103 836	177 960	D
33329	Other industrial machinery manufacturing	5	20	8	948	39 674	547	1 185	17 336	59 929	98 398	161 439	D
333298	All other industrial machinery manufacturing	7	14	6	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	—	16	9	1 135	47 499	651	1 416	20 780	102 107	130 241	230 795	4 640
33331	Commercial and service industry machinery manufacturing	—	16	9	1 135	47 499	651	1 416	20 780	102 107	130 241	230 795	4 640
333319	Other commercial and service industry machinery manufacturing	—	11	4	900	35 293	523	1 151	15 972	71 621	74 003	144 698	2 164
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	8	4	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	8	4	f	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	4	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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	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
	Dayton, OH Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	1	133	50	3 942	175 314	2 720	5 390	113 733	316 539	182 823	505 621	25 318
33351	Metalworking machinery manufacturing	1	133	50	3 942	175 314	2 720	5 390	113 733	316 539	182 823	505 621	25 318
333511	Industrial mold manufacturing	—	35	11	785	34 962	532	1 111	23 183	58 678	26 496	84 252	10 541
333514	Special die and tool, die set, jig, and fixture manufacturing	1	66	28	2 314	101 260	1 675	3 274	70 269	184 815	67 516	250 785	11 770
333518	Other metalworking machinery manufacturing ..	7	6	5	397	17 260	287	525	11 254	42 896	26 104	70 051	1 627
3336	Engine, turbine, and power transmission equipment manufacturing	—	9	2	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	—	9	2	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	32	16	2 437	100 276	1 286	2 328	40 362	164 004	187 751	381 455	9 394
33391	Pump and compressor manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	25	12	1 455	60 114	749	1 248	23 209	145 029	152 935	303 859	8 026
333992	Welding and soldering equipment manufacturing ..	—	5	3	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	—	11	6	688	32 218	310	375	10 778	62 805	69 740	136 865	D
334	Computer and electronic product manufacturing	1	62	26	3 987	157 547	2 543	5 367	82 190	346 287	555 770	906 828	16 898
3341	Computer and peripheral equipment manufacturing	—	9	3	1 097	52 140	392	828	15 030	138 406	101 532	239 887	10 095
33411	Computer and peripheral equipment manufacturing	—	9	3	1 097	52 140	392	828	15 030	138 406	101 532	239 887	10 095
334111	Electronic computer manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	3	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	19	13	2 070	72 868	1 641	3 562	53 414	126 389	403 903	530 520	4 133
33441	Semiconductor and other electronic component manufacturing	—	19	13	2 070	72 868	1 641	3 562	53 414	126 389	403 903	530 520	4 133
334411	Electron tube manufacturing ..	—	2	2	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	1	4	4	387	9 199	316	565	5 849	18 777	30 532	49 688	D
334419	Other electronic component manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	6	30	10	807	31 652	507	973	13 685	79 134	48 571	132 156	2 572
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	6	30	10	807	31 652	507	973	13 685	79 134	48 571	132 156	2 572
335	Electrical equipment, appliance, and component manufacturing	—	18	6	2 049	70 366	1 089	1 272	25 058	137 514	123 340	250 179	19 425
3353	Electrical equipment manufacturing	—	14	5	g	D	D	D	D	D	D	D	19 290
33531	Electrical equipment manufacturing	—	14	5	g	D	D	D	D	D	D	D	19 290
335312	Motor and generator manufacturing	—	4	4	1 855	62 185	994	1 074	22 235	116 558	106 728	212 478	19 135
336	Transportation equipment manufacturing	—	54	32	16 825	819 993	14 248	28 519	665 761	6 031 265	6 539 345	12 569 291	129 322
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
336112	Light truck and utility vehicle manufacturing	—	1	1	h	D	D	D	D	D	D	D	D

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DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
Dayton, OH Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	—	40	23	j	D	D	D	D	D	D	D	104 066
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	6	4	h	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	6	4	h	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
33637	Motor vehicle metal stamping ..	—	8	3	765	31 651	628	1 420	23 797	58 908	67 004	124 217	1 251
336370	Motor vehicle metal stamping	—	8	3	765	31 651	628	1 420	23 797	58 908	67 004	124 217	1 251
33639	Other motor vehicle parts manufacturing	—	17	8	3 611	141 112	3 000	6 029	110 626	778 404	564 928	1 337 877	38 724
336391	Motor vehicle air-conditioning manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	15	6	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	8	5	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	8	5	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	4	3	694	38 567	397	830	16 327	98 601	43 912	145 001	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	4	2	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	44	6	943	25 665	766	1 471	18 717	82 378	97 997	183 167	10 686
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	29	2	647	16 216	537	1 019	12 791	65 323	84 534	152 664	D
33712	Household and institutional furniture manufacturing	—	7	1	e	D	D	D	D	D	D	D	D
337124	Metal household furniture manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	5	12	4	271	8 781	210	416	5 526	15 751	12 284	28 019	D
33721	Office furniture (including fixtures) manufacturing	5	12	4	271	8 781	210	416	5 526	15 751	12 284	28 019	D
339	Miscellaneous manufacturing	1	79	14	1 118	37 062	775	1 547	21 165	94 931	73 119	162 955	3 144
3391	Medical equipment and supplies manufacturing	—	37	8	613	20 754	472	965	14 034	52 750	40 367	89 720	2 061
33911	Medical equipment and supplies manufacturing	—	37	8	613	20 754	472	965	14 034	52 750	40 367	89 720	2 061
339113	Surgical appliance and supplies manufacturing	—	4	3	e	D	D	D	D	D	D	D	743
3399	Other miscellaneous manufacturing	1	42	6	505	16 308	303	582	7 131	42 181	32 752	73 235	1 083
Greenville, OH Micropolitan Statistical Area													
31-33	Manufacturing	—	81	29	5 053	171 066	3 930	7 910	116 801	551 743	586 838	1 144 633	30 092
323	Printing and related support activities	—	7	1	269	8 821	133	301	3 381	7 353	4 069	11 495	D
3231	Printing and related support activities	—	7	1	269	8 821	133	301	3 381	7 353	4 069	11 495	D
32311	Printing	—	7	1	269	8 821	133	301	3 381	7 353	4 069	11 495	D
326	Plastics and rubber products manufacturing	—	7	5	1 030	30 146	882	1 705	23 767	75 361	90 760	165 388	D
3261	Plastics product manufacturing ..	—	7	5	1 030	30 146	882	1 705	23 767	75 361	90 760	165 388	D
32619	Other plastics product manufacturing	—	4	3	856	24 421	751	1 399	20 408	56 730	61 878	118 224	D
326199	All other plastics product manufacturing	—	4	3	856	24 421	751	1 399	20 408	56 730	61 878	118 224	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.												
	Greenville, OH Micropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing	-	4	2	264	11 377	207	387	8 183	23 097	6 640	35 370	D
335	Electrical equipment, appliance, and component manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	f	D	D	D	D	D	D	D	2 898
3363	Motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
33639	Other motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
336399	All other motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
339	Miscellaneous manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
	Springfield, OH Metropolitan Statistical Area												
31-33	Manufacturing	-	'204	73	'9 300	'392 600	'6 796	'13 737	'265 158	'1 195 373	'1 740 455	'2 935 093	'70 425
311	Food manufacturing	1	11	6	589	20 591	434	837	15 422	101 533	109 041	210 046	12 257
326	Plastics and rubber products manufacturing	2	11	4	379	10 719	330	633	8 141	42 595	20 303	62 571	2 420
3261	Plastics product manufacturing ..	2	10	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	7	3	329	8 884	289	552	6 738	35 515	10 100	45 170	1 841
326199	All other plastics product manufacturing	1	7	3	329	8 884	289	552	6 738	35 515	10 100	45 170	1 841
332	Fabricated metal product manufacturing	1	'68	20	'1 965	'79 886	'1 381	'2 753	'44 509	'223 672	'152 522	'376 985	'17 031
3321	Forging and stamping.....	-	9	4	791	34 398	489	956	15 104	127 544	110 144	237 713	D
33211	Forging and stamping.....	-	9	4	791	34 398	489	956	15 104	127 544	110 144	237 713	D
332116	Metal stamping	-	7	4	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	29	9	602	22 741	477	972	15 723	46 194	19 780	65 967	2 623
33271	Machine shops	2	23	5	385	15 908	302	614	10 759	30 781	13 164	44 124	2 048
332710	Machine shops	2	23	5	385	15 908	302	614	10 759	30 781	13 164	44 124	2 048
333	Machinery manufacturing	3	30	14	1 066	44 940	711	1 420	25 761	170 149	75 802	247 421	5 858
3335	Metalworking machinery manufacturing	7	15	6	417	17 750	311	637	11 715	68 509	41 052	107 636	1 944
33351	Metalworking machinery manufacturing	7	15	6	417	17 750	311	637	11 715	68 509	41 052	107 636	1 944
333514	Special die and tool, die set, jig, and fixture manufacturing	8	7	4	293	12 888	219	451	8 738	56 424	37 766	94 113	D
3339	Other general purpose machinery manufacturing	-	6	5	521	22 807	320	598	12 221	91 457	31 136	125 618	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA—Con.													
Springfield, OH Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing	—	21	12	3 717	188 056	2 810	6 011	144 710	553 154	1 266 929	1 818 514	23 218
3361	Motor vehicle manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	14	10	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	5	3	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	5	3	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	3	6	6	320	8 872	271	606	6 805	43 735	52 011	94 259	111
336399	All other motor vehicle parts manufacturing	3	6	6	320	8 872	271	606	6 805	43 735	52 011	94 259	111
339	Miscellaneous manufacturing	—	11	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	7	2	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
Urbana, OH Micropolitan Statistical Area													
31-33	Manufacturing	—	49	22	3 462	129 372	2 805	4 906	92 176	579 165	420 858	973 893	70 255
322	Paper manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	2	2	e	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
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
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	2	4	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	6	5	1 258	49 879	1 025	2 055	35 881	244 725	241 309	471 562	D
3363	Motor vehicle parts manufacturing	—	4	3	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
3364	Aerospace product and parts manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	FINDLAY-TIFFIN-FOSTORIA, OH COMBINED STATISTICAL AREA												
31-33	Manufacturing	-	192	85	17 394	673 130	13 417	27 677	467 023	2 039 067	2 059 873	4 109 806	140 007
311	Food manufacturing	-	16	6	g	D	D	D	D	D	D	D	5 878
3116	Animal slaughtering and processing	-	5	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	5	1	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	3	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	6	1	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	17	15	h	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	11	10	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	8	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	8	7	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	6	5	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	2	2	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	3	2	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	13	4	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	30	11	g	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing ...	-	1	1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	17	7	f	D	D	D	D	D	D	D	D
33271	Machine shops	-	15	5	e	D	D	D	D	D	D	D	D
332710	Machine shops	-	15	5	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	23	13	1 280	58 450	902	1 921	37 490	125 380	94 611	229 313	6 955
3335	Metalworking machinery manufacturing	2	12	5	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	12	5	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	6	3	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	-	4	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
FINDLAY-TIFFIN-FOSTORIA, OH COMBINED STATISTICAL AREA—Con.													
334	Computer and electronic product manufacturing	-	4	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	23	17	4 377	150 417	3 638	7 057	119 323	419 196	568 431	981 534	53 256
3363	Motor vehicle parts manufacturing	-	19	14	h	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
336370	Motor vehicle metal stamping	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
33639	Other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
336399	All other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
339	Miscellaneous manufacturing	2	13	4	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	2	9	4	e	D	D	D	D	D	D	D	D
Findlay, OH Micropolitan Statistical Area													
31-33	Manufacturing	-	99	44	12 406	470 183	9 579	19 442	324 695	1 439 857	1 560 080	3 013 234	113 635
311	Food manufacturing	-	10	3	1 621	49 360	1 507	3 583	42 615	183 883	242 543	426 035	3 806
3118	Bakeries and tortilla manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	15	13	3 260	157 315	1 851	3 270	76 685	313 677	259 219	580 698	18 203
3261	Plastics product manufacturing	-	10	9	921	27 579	695	1 280	20 153	98 697	99 720	198 715	D
32619	Other plastics product manufacturing	1	7	6	491	11 621	320	524	6 722	45 998	33 067	79 601	1 137
326199	All other plastics product manufacturing	1	7	6	491	11 621	320	524	6 722	45 998	33 067	79 601	1 137
3262	Rubber product manufacturing	-	5	4	2 339	129 736	1 156	1 990	56 532	214 980	159 499	381 983	D
32621	Tire manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	2	2	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	3	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	8	2	f	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	8	6	435	20 894	329	748	14 872	47 875	36 873	93 518	3 467

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	FINDLAY-TIFFIN-FOSTORIA, OH COMBINED STATISTICAL AREA—Con.												
	Findlay, OH Micropolitan Statistical Area—Con.												
334	Computer and electronic product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	2	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
335228	Other major household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	18	13	3 617	106 952	2 962	5 592	81 400	303 479	509 329	806 632	46 954
3363	Motor vehicle parts manufacturing	-	15	11	h	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	-	1	1	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
336370	Motor vehicle metal stamping	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
33639	Other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
336399	All other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
	Tiffin-Fostoria, OH Micropolitan Statistical Area												
31-33	Manufacturing	-	93	41	4 988	202 947	3 838	8 235	142 328	599 210	499 793	1 096 572	26 372
311	Food manufacturing	-	6	3	e	D	D	D	D	D	D	D	2 072
3116	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	2	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
32629	Other rubber product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	9	4	922	37 811	810	1 809	31 369	144 795	59 495	202 095	D
3271	Clay product and refractory manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	22	9	768	25 561	543	1 097	15 719	70 175	48 394	118 171	5 428
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	12	6	546	18 920	389	822	12 236	56 668	40 498	96 424	5 065
33271	Machine shops	-	10	4	e	D	D	D	D	D	D	D	D
332710	Machine shops	-	10	4	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	-	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	FINDLAY-TIFFIN-FOSTORIA, OH COMBINED STATISTICAL AREA—Con.												
	Tiffin-Fostoria, OH Micropolitan Statistical Area—Con.												
333	Machinery manufacturing	2	15	7	845	37 556	573	1 173	22 618	77 505	57 738	135 795	3 488
3335	Metalworking machinery manufacturing	3	9	3	474	24 519	336	677	15 396	59 510	33 779	93 150	2 988
33351	Metalworking machinery manufacturing	3	9	3	474	24 519	336	677	15 396	59 510	33 779	93 150	2 988
336	Transportation equipment manufacturing	—	5	4	760	43 465	676	1 465	37 923	115 717	59 102	174 902	6 302
3363	Motor vehicle parts manufacturing	—	4	3	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
	MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA												
31-33	Manufacturing	—	297	126	19 767	787 036	15 368	29 770	576 009	2 040 685	2 016 467	4 036 268	131 637
322	Paper manufacturing	2	9	4	476	18 289	339	721	10 549	30 167	53 656	83 231	D
3222	Converted paper product manufacturing	2	9	4	476	18 289	339	721	10 549	30 167	53 656	83 231	D
32221	Paperboard container manufacturing	2	7	4	e	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	3	6	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	25	6	e	D	D	D	D	D	D	D	1 210
3231	Printing and related support activities	1	25	6	e	D	D	D	D	D	D	D	1 210
32311	Printing	—	23	5	e	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	9	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	17	13	1 539	44 989	1 249	2 352	33 912	146 132	131 710	273 591	8 246
3261	Plastics product manufacturing ..	4	14	12	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	4	8	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	5	6	5	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	—	3	1	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	—	2	2	e	D	D	D	D	D	D	D	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
327215	Glass product manufacturing made of purchased glass ..	—	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	10	5	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	2	2	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	3	1	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	1	1	e	D	D	D	D	D	D	D	D
331221	Rolled steel shape 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing	-	71	28	2 851	100 329	2 387	4 777	77 940	399 139	186 953	585 459	6 361
3321	Forging and stamping.....	2	9	6	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	2	9	6	f	D	D	D	D	D	D	D	D
332116	Metal stamping	-	6	4	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
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	1	32	11	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	22	5	e	D	D	D	D	D	D	D	D
332710	Machine shops	1	22	5	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	-	10	6	e	D	D	D	D	D	D	D	591
332721	Precision turned product manufacturing	-	10	6	e	D	D	D	D	D	D	D	591
3329	Other fabricated metal product manufacturing	-	9	5	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	9	5	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	41	18	2 011	78 387	1 250	2 247	42 793	177 836	187 731	365 657	6 367
3331	Agriculture, construction, and mining machinery manufacturing	-	11	5	f	D	D	D	D	D	D	D	799
33312	Construction machinery manufacturing	-	9	4	453	16 660	304	489	10 934	39 412	50 849	90 469	D
333120	Construction machinery manufacturing	-	9	4	453	16 660	304	489	10 934	39 412	50 849	90 469	D
3339	Other general purpose machinery manufacturing	-	11	8	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	5	4	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	5	4	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	-	3	3	g	D	D	D	D	D	D	D	5 245
335	Electrical equipment, appliance, and component manufacturing	3	11	7	g	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	-	3	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
3352	Household appliance manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
335221	Household cooking appliance 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA—Con.													
335	Electrical equipment, appliance, and component manufacturing—Con.												
3353	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
33531	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
335312	Motor and generator manufacturing	9	2	1	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
33593	Wiring device manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	23	19	5 320	276 206	4 629	8 797	239 208	549 464	838 976	1 385 288	84 374
3362	Motor vehicle body and trailer manufacturing	6	7	4	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	6	7	4	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	14	13	4 717	258 408	4 141	7 865	226 753	525 440	767 271	1 289 428	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
33637	Motor vehicle metal stamping	—	7	7	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	7	7	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
3366	Ship and boat building	—	2	2	e	D	D	D	D	D	D	D	D
33661	Ship and boat building	—	2	2	e	D	D	D	D	D	D	D	D
336612	Boat building	—	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	26	4	e	D	D	D	D	D	D	D	422
3399	Other miscellaneous manufacturing	1	20	4	e	D	D	D	D	D	D	D	391
Bucyrus, OH Micropolitan Statistical Area													
31-33	Manufacturing	1	90	40	5 871	212 015	4 543	8 521	148 866	655 104	479 345	1 131 356	26 743
326	Plastics and rubber products manufacturing	3	7	6	833	24 686	696	1 198	18 424	80 783	66 548	144 167	2 908
3261	Plastics product manufacturing ..	8	5	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	2	1	e	D	D	D	D	D	D	D	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
327215	Glass product manufacturing made of purchased glass ..	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	19	7	1 191	52 361	978	2 076	42 320	287 509	102 714	388 127	2 648
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA—Con.													
Bucyrus, OH Micropolitan Statistical Area—Con.													
333	Machinery manufacturing	-	13	8	785	29 053	546	1 023	18 369	57 757	75 064	134 393	2 132
3331	Agriculture, construction, and mining machinery manufacturing	-	6	3	411	14 569	281	458	9 904	34 206	46 364	80 790	661
33312	Construction machinery manufacturing	-	6	3	411	14 569	281	458	9 904	34 206	46 364	80 790	661
333120	Construction machinery manufacturing	-	6	3	411	14 569	281	458	9 904	34 206	46 364	80 790	661
334	Computer and electronic product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	-	1	1	f	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
336	Transportation equipment manufacturing	1	7	7	980	30 331	822	1 488	21 696	69 650	117 891	187 600	13 492
3363	Motor vehicle parts manufacturing	-	3	3	481	15 329	422	725	11 438	50 405	54 013	104 512	D
3366	Ship and boat building	-	2	2	e	D	D	D	D	D	D	D	D
33661	Ship and boat building	-	2	2	e	D	D	D	D	D	D	D	D
336612	Boat building	-	2	2	e	D	D	D	D	D	D	D	D
Mansfield, OH Metropolitan Statistical Area													
31-33	Manufacturing	-	207	86	13 896	575 021	10 825	21 249	427 143	1 385 581	1 537 122	2 904 912	104 894
322	Paper manufacturing	2	6	4	456	17 574	321	682	9 940	28 620	51 969	80 073	1 032
3222	Converted paper product manufacturing	2	6	4	456	17 574	321	682	9 940	28 620	51 969	80 073	1 032
32221	Paperboard container manufacturing	2	6	4	456	17 574	321	682	9 940	28 620	51 969	80 073	1 032
322211	Corrugated and solid fiber box manufacturing	3	5	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	18	5	284	8 972	180	367	5 183	23 377	9 670	32 869	858
3231	Printing and related support activities	1	18	5	284	8 972	180	367	5 183	23 377	9 670	32 869	858
326	Plastics and rubber products manufacturing	3	10	7	706	20 303	553	1 154	15 488	65 349	65 162	129 424	5 338
3261	Plastics product manufacturing ..	3	9	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	4	3	460	12 747	356	733	10 052	33 160	32 831	64 925	D
327	Nonmetallic mineral product manufacturing	-	8	4	369	13 219	331	685	11 124	34 895	17 433	50 967	742
3271	Clay product and refractory manufacturing	-	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA—Con.													
Mansfield, OH Metropolitan Statistical Area—Con.													
331	Primary metal manufacturing	—	7	4	1 110	63 289	826	1 917	45 346	281 234	289 012	559 837	7 204
3311	Iron and steel mills and ferroalloy manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	2	2	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	3	1	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	1	1	e	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	52	21	1 660	47 968	1 409	2 701	35 620	111 630	84 239	197 332	3 713
3321	Forging and stamping	2	8	5	503	14 008	433	840	9 923	29 837	31 088	61 099	1 120
33211	Forging and stamping	2	8	5	503	14 008	433	840	9 923	29 837	31 088	61 099	1 120
332116	Metal stamping	—	6	4	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
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	1	26	7	428	12 950	346	628	8 769	27 916	10 192	38 236	859
33272	Turned product and screw, nut, and bolt manufacturing	1	9	5	293	8 778	233	458	5 912	21 210	7 356	28 722	591
332721	Precision turned product manufacturing	1	9	5	293	8 778	233	458	5 912	21 210	7 356	28 722	591
333	Machinery manufacturing	—	28	10	1 226	49 334	704	1 224	24 424	120 079	112 667	231 264	4 235
3339	Other general purpose machinery manufacturing	—	8	5	862	36 545	459	787	17 107	82 656	84 370	166 394	2 740
33391	Pump and compressor manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	6	4	1 931	55 684	1 385	2 645	30 081	130 319	63 936	193 245	5 318
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	5	4	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	3	3	g	D	D	D	D	D	D	D	5 245
335	Electrical equipment, appliance, and component manufacturing	4	9	5	986	27 915	794	1 628	20 328	61 663	49 821	112 189	1 833
3352	Household appliance manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335221	Household cooking appliance manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
33531	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
335312	Motor and generator 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.]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA—Con.													
Mansfield, OH Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing	-	16	12	4 340	245 875	3 807	7 309	217 512	479 814	721 085	1 197 688	70 882
3363	Motor vehicle parts manufacturing	-	11	10	4 236	243 079	3 719	7 140	215 315	475 035	713 258	1 184 916	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
33637	Motor vehicle metal stamping ..	-	6	6	2 661	180 089	2 338	4 710	159 002	322 203	462 660	784 267	D
336370	Motor vehicle metal stamping	-	6	6	2 661	180 089	2 338	4 710	159 002	322 203	462 660	784 267	D
33639	Other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA													
31-33	Manufacturing	-	1 127	412	66 665	2 956 869	52 091	104 812	2 188 604	8 221 627	14 690 305	22 879 919	461 191
311	Food manufacturing	1	69	23	h	D	D	D	D	D	D	D	57 165
3112	Grain and oilseed milling	-	3	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	8	6	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	-	7	5	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	4	4	f	D	D	D	D	D	D	D	D
311422	Specialty canning	-	2	1	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	4	6	6	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	6	5	5	e	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	7	2	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	7	2	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	2	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	28	5	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	23	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	4	1	f	D	D	D	D	D	D	D	D
313	Textile mills	-	6	3	f	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	-	3	2	f	D	D	D	D	D	D	D	D
31332	Fabric coating mills	-	2	2	f	D	D	D	D	D	D	D	D
313320	Fabric coating mills	-	2	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	-	29	9	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	-	21	6	e	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing	1	12	3	e	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing	1	12	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	23	12	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	21	11	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	11	6	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	-	9	5	f	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.													
323	Printing and related support activities	2	124	23	g	D	D	D	D	D	D	D	10 420
3231	Printing and related support activities	2	124	23	g	D	D	D	D	D	D	D	10 420
32311	Printing	1	115	20	g	D	D	D	D	D	D	D	8 378
323110	Commercial lithographic printing	2	50	10	f	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	—	17	3	374	9 012	248	527	4 968	15 934	10 676	26 663	D
324	Petroleum and coal products manufacturing	—	14	4	1 127	81 286	625	1 450	42 977	348 025	2 967 572	3 193 113	D
3241	Petroleum and coal products manufacturing	—	14	4	1 127	81 286	625	1 450	42 977	348 025	2 967 572	3 193 113	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
325	Chemical manufacturing	—	46	22	g	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	—	16	5	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
32521	Resin and synthetic rubber manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
325211	Plastics material and resin manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	11	6	848	42 725	418	735	13 040	122 320	93 756	215 130	D
32561	Soap and cleaning compound manufacturing	—	10	5	f	D	D	D	D	D	D	D	6 539
325612	Polish and other sanitation good manufacturing	—	6	4	780	40 072	367	632	11 329	110 091	81 139	190 235	D
326	Plastics and rubber products manufacturing	1	74	49	6 956	245 176	5 578	10 643	174 419	698 970	621 364	1 321 217	59 067
3261	Plastics product manufacturing ..	—	55	34	h	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing ..	—	5	5	f	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	—	5	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	39	24	3 769	130 013	3 058	5 591	92 810	364 614	272 505	636 220	27 326
326199	All other plastics product manufacturing	—	37	24	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	19	15	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	1	15	12	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	1	9	7	g	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	—	6	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	52	25	3 466	144 522	2 805	5 706	109 614	437 467	336 131	773 478	19 954
3272	Glass and glass product manufacturing	—	13	8	2 260	95 387	1 902	3 728	75 043	326 290	178 581	504 439	12 965
32721	Glass and glass product manufacturing	—	13	8	2 260	95 387	1 902	3 728	75 043	326 290	178 581	504 439	12 965
327211	Flat glass manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	7	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	23	10	e	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	3	13	4	e	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	3	13	4	e	D	D	D	D	D	D	D	D
3274	Lime and gypsum product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327420	Gypsum 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.													
331	Primary metal manufacturing	—	26	15	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	4	3	1 189	57 941	900	2 020	40 799	149 004	286 854	448 413	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	3	1 189	57 941	900	2 020	40 799	149 004	286 854	448 413	D
331111	Iron and steel mills	—	3	2	e	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	5	5	f	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	764	28 061	628	1 260	20 754	60 978	79 943	140 799	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	764	28 061	628	1 260	20 754	60 978	79 943	140 799	D
3315	Foundries	2	14	6	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	242	88	7 505	293 013	5 698	11 753	193 610	1 128 017	960 150	2 074 382	42 418
3321	Forging and stamping	—	14	9	f	D	D	D	D	D	D	D	D
33211	Forging and stamping	—	14	9	f	D	D	D	D	D	D	D	D
332114	Custom roll forming	—	3	2	e	D	D	D	D	D	D	D	D
332116	Metal stamping	—	9	6	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	13	6	f	D	D	D	D	D	D	D	2 606
33221	Cutlery and handtool manufacturing	—	13	6	f	D	D	D	D	D	D	D	2 606
332212	Hand and edge tool manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	33	15	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	3	14	6	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	4	9	5	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	1	19	9	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	1	5	4	e	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	—	3	1	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	—	10	5	e	D	D	D	D	D	D	D	D
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	2	12	4	505	16 254	425	885	12 377	29 986	40 423	70 924	D
33261	Spring and wire product manufacturing	2	12	4	505	16 254	425	885	12 377	29 986	40 423	70 924	D
332612	Spring (light gauge) manufacturing	4	4	3	325	10 464	282	582	8 544	23 059	16 883	38 874	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	91	21	g	D	D	D	D	D	D	D	D
33271	Machine shops	2	80	16	g	D	D	D	D	D	D	D	D
332710	Machine shops	2	80	16	g	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	—	40	20	g	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	40	20	g	D	D	D	D	D	D	D	D
332811	Metal heat treating	—	5	4	288	11 337	251	521	8 897	29 611	6 811	36 250	2 150
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	15	8	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	—	20	8	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	3	28	7	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	3	22	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.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
333	Machinery manufacturing	1	148	50	3 703	161 988	2 316	4 976	81 986	371 763	257 949	631 952	14 661
3332	Industrial machinery manufacturing	2	19	6	416	15 031	247	433	6 555	27 649	29 952	58 679	D
3333	Commercial and service industry machinery manufacturing	—	8	3	387	16 140	219	425	7 077	56 479	23 192	79 731	1 337
33331	Commercial and service industry machinery manufacturing	—	8	3	387	16 140	219	425	7 077	56 479	23 192	79 731	1 337
333319	Other commercial and service industry machinery manufacturing	—	7	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	69	24	g	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	1	69	24	g	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	—	19	7	e	D	D	D	D	D	D	D	1 175
333514	Special die and tool, die set, jig, and fixture manufacturing	1	32	12	f	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing	2	9	3	264	10 640	181	362	6 179	21 946	10 858	34 040	1 008
3339	Other general purpose machinery manufacturing	1	41	14	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	27	10	f	D	D	D	D	D	D	D	D
333994	Industrial process furnace and oven manufacturing	—	7	3	297	16 721	105	131	3 220	41 401	36 560	79 977	2 565
333999	All other miscellaneous general purpose machinery manufacturing	—	12	3	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	3	30	10	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	2	8	3	273	13 458	142	282	3 905	8 615	11 544	19 624	D
33441	Semiconductor and other electronic component manufacturing	2	8	3	273	13 458	142	282	3 905	8 615	11 544	19 624	D
335	Electrical equipment, appliance, and component manufacturing	—	18	7	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	—	8	4	g	D	D	D	D	D	D	D	D
33591	Battery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	67	41	19 946	1 182 553	17 585	34 838	1 028 463	1 854 759	6 312 203	8 213 235	115 232
3361	Motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	52	36	j	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	1	1	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
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
33635	Motor vehicle transmission and power train parts manufacturing	—	5	4	i	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	5	4	i	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33636	Motor vehicle seating and interior trim manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . .	3	21	13	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	3	21	13	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	18	13	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	18	13	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	—	51	14	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	35	6	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	—	10	3	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	—	5	1	h	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	—	4	2	315	11 301	212	468	6 617	25 144	12 054	37 442	D
3372	Office furniture (including fixtures) manufacturing	—	13	7	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	—	13	7	f	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	71	13	963	31 692	619	1 145	16 301	71 160	29 195	104 050	2 758
3391	Medical equipment and supplies manufacturing	2	26	7	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	2	26	7	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	3	45	6	e	D	D	D	D	D	D	D	D
Fremont, OH Micropolitan Statistical Area													
31-33	Manufacturing	—	119	45	9 691	347 733	8 142	16 697	268 642	1 495 771	1 397 657	2 914 560	51 277
311	Food manufacturing	—	9	3	f	D	D	D	D	D	D	D	3 274
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	—	2	2	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning	—	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	13	10	1 568	57 544	1 245	2 673	42 008	143 489	176 418	321 603	16 004
3261	Plastics product manufacturing	2	11	9	g	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	6	5	822	28 813	643	1 401	20 645	61 915	53 359	116 673	2 153
326199	All other plastics product manufacturing	3	6	5	822	28 813	643	1 401	20 645	61 915	53 359	116 673	2 153
327	Nonmetallic mineral product manufacturing	—	7	3	275	11 183	180	395	6 610	27 717	31 871	59 856	1 481
332	Fabricated metal product manufacturing	—	23	7	621	27 257	425	858	17 221	87 816	97 598	185 364	2 867
333	Machinery manufacturing	3	16	6	471	17 553	338	1 067	10 844	42 307	29 134	71 576	1 197

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
	Fremont, OH Micropolitan Statistical Area—Con.												
335	Electrical equipment, appliance, and component manufacturing	—	6	3	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	h	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33591	Battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	8	5	1 240	41 070	1 039	2 277	30 774	153 911	145 393	299 204	11 969
3363	Motor vehicle parts manufacturing	—	7	5	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	2	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
	Toledo, OH Metropolitan Statistical Area												
31-33	Manufacturing	—	1 008	367	56 974	2 609 136	43 949	88 115	1 919 962	6 725 856	13 292 648	19 965 359	409 914
311	Food manufacturing	1	60	20	3 708	141 454	2 511	5 139	87 469	916 714	728 830	1 647 617	53 891
3112	Grain and oilseed milling	—	3	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311230	Breakfast cereal manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	1	6	4	759	26 099	641	1 359	19 833	220 988	152 339	374 644	D
31142	Fruit and vegetable canning, pickling, and drying	—	5	3	f	D	D	D	D	D	D	D	D
311422	Specialty canning	—	2	1	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	2	5	5	645	19 914	510	995	14 075	33 727	109 501	140 983	2 279
31152	Ice cream and frozen dessert manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	7	2	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	7	2	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	—	2	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	24	5	1 115	39 611	419	930	12 931	98 738	35 271	133 123	1 400
31181	Bread and bakery product manufacturing	—	19	2	996	36 658	329	731	11 021	91 313	28 108	119 065	1 185
311812	Commercial bakeries	—	4	1	f	D	D	D	D	D	D	D	D
313	Textile mills	—	5	2	f	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	—	3	2	f	D	D	D	D	D	D	D	D
31332	Fabric coating mills	—	2	2	f	D	D	D	D	D	D	D	D
313320	Fabric coating mills	—	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
	Toledo, OH Metropolitan Statistical Area—Con.												
321	Wood product manufacturing	—	25	8	535	13 092	439	838	9 359	44 151	60 021	102 857	1 399
3219	Other wood product manufacturing	1	18	5	295	6 517	245	447	4 739	20 501	25 122	43 930	1 141
322	Paper manufacturing	—	19	10	795	28 186	598	1 225	17 396	65 057	107 344	171 547	6 946
3222	Converted paper product manufacturing	—	18	10	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	10	5	455	17 542	348	726	10 900	35 320	72 635	108 574	4 186
322211	Corrugated and solid fiber box manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	111	21	1 765	60 197	1 092	2 170	31 739	131 172	82 184	213 177	10 043
3231	Printing and related support activities	2	111	21	1 765	60 197	1 092	2 170	31 739	131 172	82 184	213 177	10 043
32311	Printing	1	102	18	1 649	55 919	1 022	2 054	29 608	122 266	79 954	202 068	8 001
323110	Commercial lithographic printing	2	43	9	745	29 597	504	1 011	17 002	65 069	46 388	111 247	3 161
323113	Commercial screen printing ..	—	13	2	320	8 127	210	455	4 532	13 713	9 161	22 929	508
324	Petroleum and coal products manufacturing	—	14	4	1 127	81 286	625	1 450	42 977	348 025	2 967 572	3 193 113	D
3241	Petroleum and coal products manufacturing	—	14	4	1 127	81 286	625	1 450	42 977	348 025	2 967 572	3 193 113	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
325	Chemical manufacturing	—	45	22	1 914	92 110	1 098	2 093	41 587	319 558	354 163	687 513	23 740
3251	Basic chemical manufacturing ...	—	15	5	306	17 437	211	457	11 107	99 088	88 087	187 358	14 030
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
32521	Resin and synthetic rubber manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
325211	Plastics material and resin manufacturing	—	5	5	254	12 184	157	356	6 507	38 523	57 244	96 875	447
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	11	6	848	42 725	418	735	13 040	122 320	93 756	215 130	D
32561	Soap and cleaning compound manufacturing	—	10	5	f	D	D	D	D	D	D	D	6 539
325612	Polish and other sanitation good manufacturing	—	6	4	780	40 072	367	632	11 329	110 091	81 139	190 235	D
326	Plastics and rubber products manufacturing	—	61	39	5 388	187 632	4 333	7 970	132 411	555 481	444 946	999 614	43 063
3261	Plastics product manufacturing ..	—	44	25	3 501	117 289	2 897	5 106	85 031	372 079	280 189	648 410	36 495
32616	Plastics bottle manufacturing ..	—	3	3	420	11 007	377	698	9 436	52 658	47 550	98 683	10 405
326160	Plastics bottle manufacturing ..	—	3	3	420	11 007	377	698	9 436	52 658	47 550	98 683	10 405
32619	Other plastics product manufacturing	—	33	19	2 947	101 200	2 415	4 190	72 165	302 699	219 146	519 547	25 173
326199	All other plastics product manufacturing	—	31	19	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	17	14	1 887	70 343	1 436	2 864	47 380	183 402	164 757	351 204	6 568
32629	Other rubber product manufacturing	1	13	11	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	1	8	7	1 457	53 228	1 120	2 149	37 172	143 870	100 687	244 659	4 273
327	Nonmetallic mineral product manufacturing	—	45	22	3 191	133 339	2 625	5 311	103 004	409 750	304 260	713 622	18 473
3272	Glass and glass product manufacturing	—	13	8	2 260	95 387	1 902	3 728	75 043	326 290	178 581	504 439	12 965
32721	Glass and glass product manufacturing	—	13	8	2 260	95 387	1 902	3 728	75 043	326 290	178 581	504 439	12 965
327211	Flat glass manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
	Toledo, OH Metropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing—Con.												
3273	Cement and concrete product manufacturing	2	19	10	411	16 671	298	611	11 347	43 282	41 056	84 509	3 167
32732	Ready-mix concrete manufacturing	3	11	4	253	10 227	214	441	8 314	26 021	28 998	54 977	2 093
327320	Ready-mix concrete manufacturing	3	11	4	253	10 227	214	441	8 314	26 021	28 998	54 977	2 093
3274	Lime and gypsum product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	22	14	2 416	102 805	1 901	4 037	73 631	239 761	411 299	666 277	10 412
3311	Iron and steel mills and ferroalloy manufacturing	—	4	3	1 189	57 941	900	2 020	40 799	149 004	286 854	448 413	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	3	1 189	57 941	900	2 020	40 799	149 004	286 854	448 413	D
331111	Iron and steel mills	—	3	2	e	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	5	5	f	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	764	28 061	628	1 260	20 754	60 978	79 943	140 799	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	764	28 061	628	1 260	20 754	60 978	79 943	140 799	D
3315	Foundries	2	13	6	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	219	81	6 884	265 756	5 273	10 895	176 389	1 040 201	862 552	1 889 018	39 551
3321	Forging and stamping	—	13	8	784	34 862	580	1 308	20 749	124 449	333 456	459 687	5 812
33211	Forging and stamping	—	13	8	784	34 862	580	1 308	20 749	124 449	333 456	459 687	5 812
332114	Custom roll forming	—	3	2	e	D	D	D	D	D	D	D	D
332116	Metal stamping	—	9	6	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	8	4	617	24 680	415	832	14 542	158 764	101 001	256 007	2 181
33221	Cutlery and handtool manufacturing	—	8	4	617	24 680	415	832	14 542	158 764	101 001	256 007	2 181
332212	Hand and edge tool manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	29	14	1 331	49 438	991	1 998	30 320	98 103	96 566	196 201	9 928
33231	Plate work and fabricated structural product manufacturing	3	12	6	639	24 901	467	945	15 242	51 041	43 668	96 140	2 142
332312	Fabricated structural metal manufacturing	3	7	5	530	20 941	386	758	13 002	43 147	39 774	84 490	1 866
33232	Ornamental and architectural metal products manufacturing	—	17	8	692	24 537	524	1 053	15 078	47 062	52 898	100 061	7 786
332323	Ornamental and architectural metal work manufacturing ..	—	3	1	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	2	12	4	505	16 254	425	885	12 377	29 986	40 423	70 924	D
33261	Spring and wire product manufacturing	2	12	4	505	16 254	425	885	12 377	29 986	40 423	70 924	D
332612	Spring (light gauge) manufacturing	4	4	3	325	10 464	282	582	8 544	23 059	16 883	38 874	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	84	21	1 237	46 025	963	1 846	33 127	91 449	36 476	127 308	4 902
33271	Machine shops	2	74	16	1 036	39 755	805	1 581	28 918	78 966	31 891	110 453	4 623
332710	Machine shops	2	74	16	1 036	39 755	805	1 581	28 918	78 966	31 891	110 453	4 623

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
	Toledo, OH Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	—	38	20	1 345	56 491	1 071	2 273	39 940	304 021	152 389	446 507	3 828
33281	Coating, engraving, heat treating, and allied activities ..	—	38	20	1 345	56 491	1 071	2 273	39 940	304 021	152 389	446 507	3 828
332811	Metal heat treating	—	5	4	288	11 337	251	521	8 897	29 611	6 811	36 250	2 150
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	14	8	590	29 793	435	968	20 389	212 673	123 652	332 093	626
332813	Electroplating, plating, polishing, anodizing, and coloring	—	19	8	467	15 361	385	784	10 654	61 737	21 926	78 164	1 052
3329	Other fabricated metal product manufacturing	3	26	6	f	D	D	D	D	D	D	D	3 105
33299	All other fabricated metal product manufacturing	3	21	5	470	17 905	354	730	11 626	55 561	31 837	88 010	2 463
333	Machinery manufacturing	1	132	44	3 232	144 435	1 978	3 909	71 142	329 456	228 815	560 376	13 464
3332	Industrial machinery manufacturing	3	15	4	279	10 928	165	334	4 990	19 125	24 922	44 645	920
3333	Commercial and service industry machinery manufacturing	—	8	3	387	16 140	219	425	7 077	56 479	23 192	79 731	1 337
33331	Commercial and service industry machinery manufacturing	—	8	3	387	16 140	219	425	7 077	56 479	23 192	79 731	1 337
333319	Other commercial and service industry machinery manufacturing	—	7	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	61	21	1 287	56 550	949	1 950	37 697	113 435	63 355	176 052	4 531
33351	Metalworking machinery manufacturing	1	61	21	1 287	56 550	949	1 950	37 697	113 435	63 355	176 052	4 531
333511	Industrial mold manufacturing	—	18	6	333	15 907	263	543	11 830	32 859	13 429	46 461	1 175
333514	Special die and tool, die set, jig, and fixture manufacturing	1	26	10	499	21 936	391	816	16 050	49 332	26 181	67 949	1 910
333515	Cutting tool and machine tool accessory manufacturing...	2	9	3	264	10 640	181	362	6 179	21 946	10 858	34 040	1 008
3339	Other general purpose machinery manufacturing	1	39	14	1 172	56 819	569	1 037	18 829	131 311	110 938	244 349	6 492
33399	All other general purpose machinery manufacturing	—	25	10	893	45 353	418	750	14 120	94 551	82 689	179 087	4 605
333994	Industrial process furnace and oven manufacturing ...	—	7	3	297	16 721	105	131	3 220	41 401	36 560	79 977	2 565
333999	All other miscellaneous general purpose machinery manufacturing	—	10	3	317	15 838	143	289	5 203	31 596	30 369	61 893	D
334	Computer and electronic product manufacturing	3	29	10	773	32 529	473	815	14 879	20 588	38 345	69 276	7 478
3344	Semiconductor and other electronic component manufacturing	2	8	3	273	13 458	142	282	3 905	8 615	11 544	19 624	D
33441	Semiconductor and other electronic component manufacturing	2	8	3	273	13 458	142	282	3 905	8 615	11 544	19 624	D
335	Electrical equipment, appliance, and component manufacturing	—	12	4	824	29 486	664	1 384	21 656	73 722	119 114	194 920	4 749
3359	Other electrical equipment and component manufacturing	—	6	3	767	26 886	640	1 337	20 962	69 164	116 996	188 195	4 710
33591	Battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing...	—	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	59	36	18 706	1 141 483	16 546	32 561	997 689	1 700 848	6 166 810	7 914 031	103 263
3361	Motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	i	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA—Con.												
	Toledo, OH Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	-	45	31	j	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	1	1	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
33635	Motor vehicle transmission and power train parts manufacturing	-	5	4	i	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	5	4	i	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	3	19	12	2 779	103 347	2 396	2 758	80 158	254 845	252 229	503 085	13 653
336370	Motor vehicle metal stamping ..	3	19	12	2 779	103 347	2 396	2 758	80 158	254 845	252 229	503 085	13 653
33639	Other motor vehicle parts manufacturing	-	16	11	1 037	39 485	799	1 660	26 803	89 221	325 153	418 954	7 805
336399	All other motor vehicle parts manufacturing	-	16	11	1 037	39 485	799	1 660	26 803	89 221	325 153	418 954	7 805
3364	Aerospace product and parts manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	47	13	4 015	97 231	2 589	5 924	63 417	350 594	257 818	601 353	6 423
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	32	6	h	D	D	D	D	D	D	D	5 348
33712	Household and institutional furniture manufacturing	-	10	3	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	-	5	1	h	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	-	4	2	315	11 301	212	468	6 617	25 144	12 054	37 442	D
3372	Office furniture (including fixtures) manufacturing	-	12	6	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	-	12	6	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	67	13	922	30 417	591	1 103	15 684	68 103	28 366	100 154	1 986
3391	Medical equipment and supplies manufacturing	2	25	7	469	15 654	312	590	8 014	38 382	9 355	48 932	1 051
33911	Medical equipment and supplies manufacturing	2	25	7	469	15 654	312	590	8 014	38 382	9 355	48 932	1 051
3399	Other miscellaneous manufacturing	3	42	6	453	14 763	279	513	7 670	29 721	19 011	51 222	935
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA												
31-33	Manufacturing	-	1 079	360	'50 873	'2 209 346	'38 799	'77 839	'1 550 120	'5 883 292	'8 807 906	'14 688 084	'265 818
311	Food manufacturing	-	64	14	g	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	3	9	3	252	7 307	174	378	3 755	19 877	19 618	39 025	800
3115	Dairy product manufacturing	-	4	2	406	22 496	203	440	7 755	51 523	143 007	193 664	4 140
31151	Dairy product (except frozen) manufacturing	-	4	2	406	22 496	203	440	7 755	51 523	143 007	193 664	4 140
311511	Fluid milk manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	11	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	11	2	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	4	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
311	Food manufacturing—Con.												
3118	Bakeries and tortilla manufacturing	—	30	6	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	29	5	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	7	3	e	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	14	4	e	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	—	5	1	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	—	4	1	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	39	13	979	25 597	777	1 577	17 845	67 934	66 765	134 651	3 186
3212	Veneer, plywood, and engineered wood product manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	—	29	9	f	D	D	D	D	D	D	D	D
32191	Millwork	—	12	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	12	6	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	12	6	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	—	4	3	254	5 501	227	515	4 564	15 500	12 013	27 963	D
323	Printing and related support activities	1	68	13	g	D	D	D	D	D	D	D	3 403
3231	Printing and related support activities	1	68	13	g	D	D	D	D	D	D	D	3 403
32311	Printing	1	65	13	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	32	7	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	4	24	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	64	32	3 389	103 670	2 615	5 413	71 012	236 406	231 491	466 666	15 382
3261	Plastics product manufacturing ..	1	50	26	2 591	74 082	1 959	4 012	50 072	154 141	189 670	342 852	13 385
32619	Other plastics product manufacturing	—	31	18	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	30	18	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	14	6	798	29 588	656	1 401	20 940	82 265	41 821	123 814	1 997
32621	Tire manufacturing	—	4	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
32629	Other rubber product manufacturing	1	9	4	381	14 240	319	675	10 676	27 286	19 711	46 907	D
326291	Rubber product manufacturing for mechanical use	—	4	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	75	28	2 281	75 507	1 872	3 570	55 997	169 546	95 599	266 381	12 212
3271	Clay product and refractory manufacturing	3	27	15	1 359	40 373	1 131	2 140	29 336	85 008	43 909	129 913	3 643
32711	Pottery, ceramics, and plumbing fixture manufacturing	1	12	7	928	23 972	811	1 489	18 062	40 191	13 279	54 163	D
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	1	11	7	f	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	4	15	8	431	16 401	320	651	11 274	44 817	30 630	75 750	D
327125	Nonclay refractory manufacturing	7	9	5	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	1	9	6	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	1	9	6	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	28	5	363	10 469	270	521	7 216	25 203	20 995	46 352	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.													
331	Primary metal manufacturing	'1	'65	'49	'8 840	'378 646	'6 865	'14 146	'271 009	'1 140 198	'2 017 692	'3 158 565	'58 581
3311	Iron and steel mills and ferroalloy manufacturing	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
33111	Iron and steel mills and ferroalloy manufacturing	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
331111	Iron and steel mills	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
3312	Steel product manufacturing from purchased steel	'4	'14	'14	g	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	'5	'11	'11	'1 840	'77 638	'1 468	'2 882	'58 796	'309 330	'499 839	'828 105	'13 977
331210	Iron and steel pipe and tube manufacturing from purchased steel	'5	'11	'11	'1 840	'77 638	'1 468	'2 882	'58 796	'309 330	'499 839	'828 105	'13 977
33122	Rolling and drawing of purchased steel	—	3	3	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	16	12	1 846	54 823	1 560	3 215	39 840	177 389	382 261	561 886	8 934
33131	Alumina and aluminum production and processing	1	16	12	1 846	54 823	1 560	3 215	39 840	177 389	382 261	561 886	8 934
331316	Aluminum extruded product manufacturing	3	12	9	1 622	42 550	1 401	2 880	32 812	115 758	176 038	291 911	7 003
3314	Nonferrous metal (except aluminum) production and processing	—	5	3	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	3	1	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries	4	17	9	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	5	10	5	497	16 434	387	830	11 600	30 950	22 068	52 925	D
331511	Iron foundries	5	8	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	'285	'93	'8 824	'328 802	'6 423	'13 156	'202 665	'761 013	'926 880	'1 681 588	'53 270
3321	Forging and stamping	—	21	15	1 351	50 682	1 054	2 065	34 007	105 105	209 668	317 721	D
33211	Forging and stamping	—	21	15	1 351	50 682	1 054	2 065	34 007	105 105	209 668	317 721	D
332111	Iron and steel forging	—	4	4	e	D	D	D	D	D	D	D	D
332114	Custom roll forming	—	6	4	534	18 279	424	749	12 296	61 123	123 000	184 621	2 702
332116	Metal stamping	2	10	7	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	67	27	1 624	58 522	1 144	2 338	34 037	145 231	160 924	305 395	D
33231	Plate work and fabricated structural product manufacturing	5	38	13	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	6	20	7	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	—	29	14	f	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	—	8	5	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	1	14	8	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	1	8	5	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	2	7	4	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	97	17	1 521	'48 461	1 078	2 047	'31 186	94 333	48 875	142 642	D
33271	Machine shops	2	92	15	1 382	'45 061	1 002	1 896	'28 920	89 337	43 971	133 160	D
332710	Machine shops	2	92	15	1 382	'45 061	1 002	1 896	'28 920	89 337	43 971	133 160	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	—	32	13	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	32	13	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	14	7	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	—	9	5	265	9 426	208	407	6 358	22 579	5 421	27 823	D
3329	Other fabricated metal product manufacturing	—	'39	'13	'2 617	'108 511	'1 795	'3 949	'59 321	'243 188	'218 321	'457 709	'13 978
33299	All other fabricated metal product manufacturing	—	'35	'11	g	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	'1	'20	'8	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	136	38	3 106	116 644	2 112	4 219	69 302	231 666	136 131	368 086	14 661
3332	Industrial machinery manufacturing	4	11	4	259	9 029	206	452	6 621	17 321	11 422	30 422	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	9	6	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	9	6	2	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	3	65	18	1 110	42 556	818	1 590	28 587	79 902	40 514	118 979	4 765
33351	Metalworking machinery manufacturing	3	65	18	1 110	42 556	818	1 590	28 587	79 902	40 514	118 979	4 765
333514	Special die and tool, die set, jig, and fixture manufacturing	4	36	10	561	23 107	474	976	17 350	46 156	21 187	65 558	D
3339	Other general purpose machinery manufacturing	—	40	11	1 140	44 656	666	1 273	20 887	82 903	42 494	125 779	D
33399	All other general purpose machinery manufacturing	—	28	6	847	34 711	457	858	15 107	57 363	28 732	87 541	D
333996	Fluid power pump and motor manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	20	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	19	10	g	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	10	5	e	D	D	D	D	D	D	D	662
33531	Electrical equipment manufacturing	—	10	5	e	D	D	D	D	D	D	D	662
3359	Other electrical equipment and component manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	4	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing	-	48	29	15 322	891 726	12 259	24 293	690 136	2 387 876	4 585 677	6 985 471	D
3361	Motor vehicle manufacturing	-	3	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	7	13	6	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	7	13	6	e	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	7	7	5	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	25	20	j	D	D	D	D	D	D	D	30 228
33632	Motor vehicle electrical and electronic equipment manufacturing	-	5	5	i	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	4	4	i	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	-	11	9	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	11	9	h	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	51	7	559	14 691	469	928	10 883	36 704	33 349	69 124	2 479
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	41	5	442	11 354	375	729	8 739	29 248	30 006	58 265	1 978
33712	Household and institutional furniture manufacturing	1	19	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	67	11	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	5	28	4	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	5	28	4	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	39	7	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	16	4	e	D	D	D	D	D	D	D	D
East Liverpool-Salem, OH Micropolitan Statistical Area													
31-33	Manufacturing	1	210	66	7 106	232 568	5 583	11 582	161 456	520 557	618 425	1 136 529	47 648
311	Food manufacturing	-	6	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	7	4	308	7 776	265	594	5 683	19 715	17 488	37 565	2 230
3222	Converted paper product manufacturing	1	7	4	308	7 776	265	594	5 683	19 715	17 488	37 565	2 230
32223	Stationery product manufacturing	-	4	3	254	5 501	227	515	4 564	15 500	12 013	27 963	D
326	Plastics and rubber products manufacturing	-	4	3	769	21 359	639	1 467	17 908	39 895	50 285	89 643	2 298
3261	Plastics product manufacturing	-	4	3	769	21 359	639	1 467	17 908	39 895	50 285	89 643	2 298
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.

[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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
	East Liverpool-Salem, OH Micropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing	4	29	10	1 236	35 101	1 045	1 981	26 652	67 041	34 802	103 254	4 770
3271	Clay product and refractory manufacturing	4	15	9	1 112	30 829	958	1 802	23 819	56 998	25 885	83 947	1 599
32711	Pottery, ceramics, and plumbing fixture manufacturing	1	7	5	863	22 473	758	1 394	16 982	37 250	12 071	49 958	705
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	1	7	5	863	22 473	758	1 394	16 982	37 250	12 071	49 958	705
331	Primary metal manufacturing	2	13	7	456	13 767	362	820	10 086	31 022	41 078	72 230	1 001
3315	Foundries	6	10	4	320	10 438	255	579	7 552	18 856	12 430	31 249	499
33151	Ferrous metal foundries	5	6	3	278	8 993	220	508	6 520	15 694	10 650	26 307	385
332	Fabricated metal product manufacturing	1	57	14	1 751	68 147	1 302	2 662	45 900	181 831	159 082	336 274	23 236
3329	Other fabricated metal product manufacturing	—	11	5	1 121	44 921	791	1 713	28 837	134 362	117 473	246 656	6 136
33299	All other fabricated metal product manufacturing	—	10	4	f	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	35	13	1 014	37 649	667	1 401	22 679	73 843	50 538	125 542	2 826
3335	Metalworking machinery manufacturing	6	12	3	382	16 480	248	503	10 818	30 044	16 103	45 568	755
33351	Metalworking machinery manufacturing	6	12	3	382	16 480	248	503	10 818	30 044	16 103	45 568	755
3339	Other general purpose machinery manufacturing	—	10	4	334	12 365	202	415	6 205	26 222	18 290	44 912	1 117
336	Transportation equipment manufacturing	1	11	6	359	16 273	277	644	9 977	24 204	38 003	60 938	2 235
3363	Motor vehicle parts manufacturing	—	7	5	311	14 788	236	556	8 850	21 809	34 239	54 779	2 163
	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area												
31-33	Manufacturing	—	869	294	'43 767	'1 976 778	'33 216	'66 257	'1 388 664	'5 362 735	'8 189 481	'13 551 555	'218 170
311	Food manufacturing	—	58	12	1 700	64 192	1 059	1 871	28 845	175 954	205 338	377 694	11 971
3113	Sugar and confectionery product manufacturing	3	9	3	252	7 307	174	378	3 755	19 877	19 618	39 025	800
3115	Dairy product manufacturing	—	4	2	406	22 496	203	440	7 755	51 523	143 007	193 664	4 140
31151	Dairy product (except frozen) manufacturing	—	4	2	406	22 496	203	440	7 755	51 523	143 007	193 664	4 140
311511	Fluid milk manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	29	6	948	31 493	607	894	15 346	97 190	25 089	119 981	6 638
31181	Bread and bakery product manufacturing	—	28	5	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	7	3	e	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	12	4	411	10 179	364	782	8 069	15 415	37 027	52 337	562
3141	Textile furnishings mills	—	5	1	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	—	4	1	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area—Con.												
321	Wood product manufacturing	—	33	11	872	23 389	685	1 393	16 238	64 138	64 080	128 129	3 109
3212	Veneer, plywood, and engineered wood product manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	—	24	7	461	12 631	360	754	9 266	38 125	50 356	88 492	D
32191	Millwork	—	11	4	273	7 822	230	494	6 394	30 218	39 663	70 036	1 317
323	Printing and related support activities	1	56	12	991	34 107	675	1 366	20 741	59 922	47 259	107 603	3 299
3231	Printing and related support activities	1	56	12	991	34 107	675	1 366	20 741	59 922	47 259	107 603	3 299
32311	Printing	1	54	12	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	26	7	458	17 267	321	634	10 982	26 311	23 429	50 161	1 137
326	Plastics and rubber products manufacturing	1	60	29	2 620	82 311	1 976	3 946	53 104	196 511	181 206	377 023	13 084
3261	Plastics product manufacturing ..	1	46	23	1 822	52 723	1 320	2 545	32 164	114 246	139 385	253 209	11 087
32619	Other plastics product manufacturing	—	28	16	1 332	36 482	1 008	1 942	24 014	87 784	109 318	197 063	7 972
326199	All other plastics product manufacturing	—	27	16	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	14	6	798	29 588	656	1 401	20 940	82 265	41 821	123 814	1 997
32621	Tire manufacturing	—	4	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
32629	Other rubber product manufacturing	1	9	4	381	14 240	319	675	10 676	27 286	19 711	46 907	D
326291	Rubber product manufacturing for mechanical use	—	4	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	46	18	1 045	40 406	827	1 589	29 345	102 505	60 797	163 127	7 442
3272	Glass and glass product manufacturing	1	7	6	414	19 779	372	718	16 704	47 188	21 245	68 179	2 925
32721	Glass and glass product manufacturing	1	7	6	414	19 779	372	718	16 704	47 188	21 245	68 179	2 925
3273	Cement and concrete product manufacturing	—	21	5	314	8 538	236	445	5 822	20 517	15 792	36 463	2 240
331	Primary metal manufacturing	'1	'52	'42	'8 384	'364 879	'6 503	'13 326	'260 923	'1 109 176	'1 976 614	'3 086 335	'57 580
3311	Iron and steel mills and ferroalloy manufacturing	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
33111	Iron and steel mills and ferroalloy manufacturing	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
331111	Iron and steel mills	—	13	11	3 366	166 972	2 546	5 279	121 236	454 482	910 087	1 346 686	18 383
3312	Steel product manufacturing from purchased steel	'4	'11	'11	g	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	'5	'8	'8	'1 704	'74 309	'1 361	'2 641	'56 262	'297 164	'471 191	'787 124	'13 475
331210	Iron and steel pipe and tube manufacturing from purchased steel	'5	'8	'8	'1 704	'74 309	'1 361	'2 641	'56 262	'297 164	'471 191	'787 124	'13 475
33122	Rolling and drawing of purchased steel	—	3	3	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	16	12	1 846	54 823	1 560	3 215	39 840	177 389	382 261	561 886	8 934
33131	Alumina and aluminum production and processing ...	1	16	12	1 846	54 823	1 560	3 215	39 840	177 389	382 261	561 886	8 934
331316	Aluminum extruded product manufacturing	3	12	9	1 622	42 550	1 401	2 880	32 812	115 758	176 038	291 911	7 003

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing	—	5	3	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	3	1	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries	3	7	5	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	'228	'79	'7 073	'260 655	'5 121	'10 494	'156 765	'579 182	'767 798	'1 345 314	'30 034
3321	Forging and stamping.....	—	16	12	1 138	41 313	868	1 687	26 047	89 226	187 654	279 827	4 664
33211	Forging and stamping.....	—	16	12	1 138	41 313	868	1 687	26 047	89 226	187 654	279 827	4 664
332114	Custom roll forming	—	6	4	534	18 279	424	749	12 296	61 123	123 000	184 621	2 702
332116	Metal stamping	2	6	5	379	13 260	294	615	8 714	22 659	25 498	47 908	D
3323	Architectural and structural metals manufacturing	2	55	21	1 402	51 173	971	2 017	29 296	129 512	148 203	276 641	3 401
33231	Plate work and fabricated structural product manufacturing	5	28	9	634	22 811	454	950	14 148	53 646	55 132	108 829	1 745
332312	Fabricated structural metal manufacturing	6	16	7	508	18 345	360	778	11 064	42 562	47 719	90 647	1 365
33232	Ornamental and architectural metal products manufacturing	—	27	12	768	28 362	517	1 067	15 148	75 866	93 071	167 812	1 656
332323	Ornamental and architectural metal work manufacturing ..	—	7	4	350	12 531	252	512	7 366	38 913	65 213	103 171	911
3324	Boiler, tank, and shipping container manufacturing	1	12	8	656	26 909	532	1 165	19 213	71 254	93 813	166 891	2 387
33243	Metal can, box, and other metal container (light gauge) manufacturing	1	7	5	537	22 747	443	960	16 400	62 013	83 508	146 326	D
332439	Other metal container manufacturing	2	6	4	e	D	D	D	D	D	D	D	D
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing	1	76	17	1 378	'43 845	966	1 864	'27 998	83 048	44 159	126 645	3 867
33271	Machine shops	1	71	15	1 239	'40 445	890	1 713	'25 732	78 052	39 255	117 163	3 317
332710	Machine shops	1	71	15	1 239	'40 445	890	1 713	'25 732	78 052	39 255	117 163	3 317
3328	Coating, engraving, heat treating, and allied activities	—	30	13	940	31 199	729	1 419	21 960	91 866	185 209	270 849	7 367
33281	Coating, engraving, heat treating, and allied activities ..	—	30	13	940	31 199	729	1 419	21 960	91 866	185 209	270 849	7 367
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	13	7	600	19 416	478	928	14 144	63 762	178 438	236 151	3 931
332813	Electroplating, plating, polishing, anodizing, and coloring	—	9	5	265	9 426	208	407	6 358	22 579	5 421	27 823	D
3329	Other fabricated metal product manufacturing	'1	'28	'8	'1 496	'63 590	'1 004	'2 236	'30 484	'108 826	'100 848	'211 053	'7 842
33299	All other fabricated metal product manufacturing	'1	'25	'7	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	'17	'6	'1 298	'59 382	'829	'1 860	'27 207	'100 735	'96 284	'198 406	D
333	Machinery manufacturing	3	101	25	2 092	78 995	1 445	2 818	46 623	157 823	85 593	242 544	11 835
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	9	4	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	9	4	1	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) 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.]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	1	53	15	728	26 076	570	1 087	17 769	49 858	24 411	73 411	4 010
33351	Metalworking machinery manufacturing	1	53	15	728	26 076	570	1 087	17 769	49 858	24 411	73 411	4 010
333514	Special die and tool, die set, jig, and fixture manufacturing	—	30	9	401	13 213	345	687	10 286	26 697	8 863	33 870	2 609
3339	Other general purpose machinery manufacturing	—	30	7	806	32 291	464	858	14 682	56 681	24 204	80 867	D
33399	All other general purpose machinery manufacturing	—	23	4	697	29 244	385	716	12 868	51 283	20 605	72 729	D
333996	Fluid power pump and motor manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	18	8	501	19 807	272	545	8 386	39 744	23 553	64 778	1 629
335	Electrical equipment, appliance, and component manufacturing	—	17	10	1 419	65 063	998	1 945	43 672	335 156	82 212	416 199	6 751
3351	Electric lighting equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	10	5	e	D	D	D	D	D	D	D	662
33531	Electrical equipment manufacturing	—	10	5	e	D	D	D	D	D	D	D	662
3359	Other electrical equipment and component manufacturing	—	5	3	488	19 585	216	464	6 220	163 201	23 752	184 998	D
33599	All other electrical equipment and component manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	37	23	14 963	875 453	11 982	23 649	680 159	2 363 672	4 547 674	6 924 533	D
3361	Motor vehicle manufacturing	—	3	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	7	10	5	307	7 731	253	511	5 770	19 178	35 067	54 963	D
33621	Motor vehicle body and trailer manufacturing	7	10	5	307	7 731	253	511	5 770	19 178	35 067	54 963	D
336211	Motor vehicle body manufacturing	7	7	5	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	18	15	j	D	D	D	D	D	D	D	28 065
33632	Motor vehicle electrical and electronic equipment manufacturing	—	5	5	i	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	4	4	i	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	8	7	3 018	207 007	2 656	5 492	181 891	443 644	301 803	743 422	5 701
336370	Motor vehicle metal stamping	—	8	7	3 018	207 007	2 656	5 492	181 891	443 644	301 803	743 422	5 701
3365	Railroad rolling stock manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336510	Railroad rolling stock 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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA—Con.												
	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area—Con.												
337	Furniture and related product manufacturing	1	43	5	430	12 283	348	724	8 744	31 434	24 942	55 510	2 208
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	33	3	313	8 946	254	525	6 600	23 978	21 599	44 651	1 707
339	Miscellaneous manufacturing	2	58	10	870	28 867	688	1 275	18 330	77 395	38 407	108 814	4 191
3391	Medical equipment and supplies manufacturing	5	26	4	259	8 973	180	325	4 421	21 331	13 492	34 885	774
33911	Medical equipment and supplies manufacturing	5	26	4	259	8 973	180	325	4 421	21 331	13 492	34 885	774
3399	Other miscellaneous manufacturing	1	32	6	611	19 894	508	950	13 909	56 064	24 915	73 929	3 417
33999	All other miscellaneous manufacturing	1	11	3	279	9 221	229	501	6 769	20 481	11 563	30 870	D
	ASHLAND, OH MICROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	—	96	42	5 322	193 204	3 910	7 966	124 058	611 651	457 634	1 066 851	22 351
311	Food manufacturing	—	7	3	346	12 151	237	292	6 692	116 861	56 445	174 024	564
322	Paper manufacturing	—	4	3	442	16 478	357	765	11 588	42 332	58 864	96 879	1 963
3222	Converted paper product manufacturing	—	4	3	442	16 478	357	765	11 588	42 332	58 864	96 879	1 963
32221	Paperboard container manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	—	9	5	255	6 995	203	342	4 683	14 872	7 199	21 122	340
3231	Printing and related support activities	—	9	5	255	6 995	203	342	4 683	14 872	7 199	21 122	340
326	Plastics and rubber products manufacturing	—	8	3	398	11 837	308	678	7 969	45 279	35 418	80 673	1 291
327	Nonmetallic mineral product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	17	3	358	13 033	264	535	7 355	19 546	21 040	40 228	958
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	13	3	335	12 284	246	501	6 878	18 168	20 003	37 813	D
333	Machinery manufacturing	—	14	7	1 155	46 319	776	1 596	27 687	127 357	134 230	266 411	3 829
3339	Other general purpose machinery manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	5	4	923	36 686	644	1 403	22 244	75 270	64 299	135 257	4 652
3399	Other miscellaneous manufacturing	—	5	4	923	36 686	644	1 403	22 244	75 270	64 299	135 257	4 652
33993	Doll, toy, and game manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	—	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
ATHENS, OH MICROPOLITAN STATISTICAL AREA														
31-33	Manufacturing	-	37	4	f	D	D	D	D	D	D	D	D	
323	Printing and related support activities	-	5	1	e	D	D	D	D	D	D	D	D	
3231	Printing and related support activities	-	5	1	e	D	D	D	D	D	D	D	D	
32311	Printing	-	4	1	e	D	D	D	D	D	D	D	D	
323116	Manifold business forms printing	-	1	1	e	D	D	D	D	D	D	D	D	
336	Transportation equipment manufacturing	-	1	1	e	D	D	D	D	D	D	D	D	
3363	Motor vehicle parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D	
33636	Motor vehicle seating and interior trim manufacturing	-	1	1	e	D	D	D	D	D	D	D	D	
336360	Motor vehicle seating and interior trim manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D	
BELLEFONTAINE, OH MICROPOLITAN STATISTICAL AREA														
31-33	Manufacturing	-	55	21		6 188	297 801	4 767	9 110	214 894	1 760 650	2 458 999	4 212 406	64 048
326	Plastics and rubber products manufacturing	1	7	5		501	15 031	398	819	9 778	39 034	33 182	71 634	D
3261	Plastics product manufacturing ..	2	6	4	e	D	D	D	D	D	D	D	D	1 369
32619	Other plastics product manufacturing	2	6	4	e	D	D	D	D	D	D	D	D	1 369
326199	All other plastics product manufacturing	2	6	4	e	D	D	D	D	D	D	D	D	1 369
327	Nonmetallic mineral product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	-	1	1	e	D	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	D
327215	Glass product manufacturing made of purchased glass ..	-	1	1	e	D	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	D
3353	Electrical equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	1	1	f	D	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	D
336	Transportation equipment manufacturing	-	6	5	h	D	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	-	1	1	h	D	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	D
336111	Automobile manufacturing	-	1	1	h	D	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	3	g	D	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	e	D	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	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CAMBRIDGE, OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	63	27	3 257	110 904	2 646	5 153	82 562	417 436	553 103	972 300	28 525
325	Chemical manufacturing	-	6	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	-	2	1	e	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	11	7	984	25 335	833	1 510	19 413	79 167	88 016	169 695	6 973
3261	Plastics product manufacturing ..	-	9	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	6	4	791	18 532	708	1 233	15 164	55 654	59 017	116 687	D
326199	All other plastics product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	6	2	266	10 463	221	454	8 179	21 926	5 052	27 020	791
332	Fabricated metal product manufacturing	-	9	6	451	15 248	345	685	10 270	38 819	51 706	91 129	1 228
333	Machinery manufacturing	-	10	2	565	18 933	447	847	14 246	31 064	58 582	89 440	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
CANTON-MASSILLON, OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	645	234	36 102	1 389 583	27 225	54 254	944 055	4 249 336	4 501 060	8 664 803	263 424
311	Food manufacturing	-	43	13	3 570	98 348	2 523	4 804	62 683	439 940	598 528	1 038 994	50 067
3114	Fruit and vegetable preserving and specialty food manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	6	4	638	25 124	452	911	14 285	48 393	190 717	239 738	7 909
31151	Dairy product (except frozen) manufacturing	-	6	4	638	25 124	452	911	14 285	48 393	190 717	239 738	7 909
311511	Fluid milk manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
311513	Cheese manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	7	2	956	20 757	735	1 457	13 031	44 349	124 785	169 370	D
31161	Animal slaughtering and processing	-	7	2	956	20 757	735	1 457	13 031	44 349	124 785	169 370	D
311612	Meat processed from carcasses	-	3	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	16	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	16	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	3	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	-	5	3	585	16 222	346	697	9 201	71 421	43 973	115 005	D
31191	Snack food manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	20	5	e	D	D	D	D	D	D	D	1 309
3219	Other wood product manufacturing	5	16	4	300	6 330	213	431	3 933	15 566	21 452	37 132	895

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CANTON-MASSILLON, OH METROPOLITAN STATISTICAL AREA—Con.													
322	Paper manufacturing	1	13	10	649	28 329	499	1 055	18 920	82 887	98 106	181 216	8 796
3222	Converted paper product manufacturing	1	11	8	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	3	56	11	1 141	43 095	834	1 504	25 745	53 837	42 127	97 255	3 272
3231	Printing and related support activities	3	56	11	1 141	43 095	834	1 504	25 745	53 837	42 127	97 255	3 272
32311	Printing	3	52	11	1 124	42 379	824	1 484	25 294	52 850	41 356	95 497	3 225
323110	Commercial lithographic printing	—	28	8	858	33 140	635	1 116	19 955	34 844	29 720	65 835	2 515
324	Petroleum and coal products manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
32411	Petroleum refineries	—	1	1	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries	—	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	21	12	817	33 863	362	675	12 102	87 895	73 075	160 498	5 594
3259	Other chemical product and preparation manufacturing	—	7	4	413	13 986	209	367	5 079	45 915	39 343	85 032	D
32599	All other chemical product and preparation manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	—	4	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	54	30	3 288	88 693	2 742	5 705	62 165	338 113	277 582	608 083	27 414
3261	Plastics product manufacturing	—	42	23	2 628	65 113	2 290	4 671	48 628	275 144	209 876	477 689	16 635
32619	Other plastics product manufacturing	—	29	18	2 223	55 288	1 950	4 043	41 391	251 748	187 031	431 289	15 844
326199	All other plastics product manufacturing	—	28	17	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	12	7	660	23 580	452	1 034	13 537	62 969	67 706	130 394	10 779
32629	Other rubber product manufacturing	—	9	5	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	—	4	3	316	11 096	203	487	5 768	30 100	35 636	65 150	D
327	Nonmetallic mineral product manufacturing	1	30	12	1 428	50 970	1 007	2 187	33 762	128 250	76 147	214 440	6 716
3271	Clay product and refractory manufacturing	—	10	7	828	29 074	551	1 196	20 082	62 691	42 428	111 217	3 598
32712	Clay building material and refractories manufacturing	—	9	6	f	D	D	D	D	D	D	D	D
327122	Ceramic wall and floor tile manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	5	12	1	316	11 382	232	506	6 536	14 677	18 535	39 240	1 065
331	Primary metal manufacturing	—	35	23	7 678	382 803	6 408	13 196	311 600	1 304 219	1 354 268	2 576 111	68 590
3311	Iron and steel mills and ferroalloy manufacturing	—	9	7	5 331	276 532	4 540	9 534	230 398	999 463	989 955	1 923 467	33 169
33111	Iron and steel mills and ferroalloy manufacturing	—	9	7	5 331	276 532	4 540	9 534	230 398	999 463	989 955	1 923 467	33 169
331111	Iron and steel mills	—	8	6	i	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	7	5	g	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	4	3	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	3	3	783	36 559	662	1 237	28 942	115 652	232 759	334 880	D
3315	Foundries	—	15	11	1 006	43 895	757	1 479	32 060	119 129	62 434	181 570	26 256
33151	Ferrous metal foundries	1	7	5	516	20 087	348	775	12 427	39 530	21 927	60 880	D
331511	Iron foundries	—	4	3	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	8	6	490	23 808	409	704	19 633	79 599	40 507	120 690	D
331528	Other nonferrous foundries (except die-casting)	—	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CANTON-MASSILLON, OH METROPOLITAN STATISTICAL AREA—Con.													
332	Fabricated metal product manufacturing	-	163	54	7 448	291 922	5 786	11 469	204 063	662 758	636 167	1 303 757	46 193
3321	Forging and stamping	-	14	10	1 816	68 621	1 442	3 090	49 902	172 582	139 455	310 461	12 888
33211	Forging and stamping	-	14	10	1 816	68 621	1 442	3 090	49 902	172 582	139 455	310 461	12 888
332111	Iron and steel forging	-	8	6	1 153	42 445	936	1 899	31 877	104 575	88 731	193 047	5 910
332114	Custom roll forming	-	2	2	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
332213	Saw blade and handsaw manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, and pan manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	-	24	10	659	24 127	423	813	12 546	56 911	58 028	113 463	2 991
33231	Plate work and fabricated structural product manufacturing	3	13	4	261	9 085	182	326	5 347	16 415	8 722	25 227	284
33232	Ornamental and architectural metal products manufacturing	-	11	6	398	15 042	241	487	7 199	40 496	49 306	88 236	2 707
3324	Boiler, tank, and shipping container manufacturing	1	5	4	415	19 361	330	764	14 533	1 513	140 883	141 046	1 499
33243	Metal can, box, and other metal container (light gauge) manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing	1	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing	4	64	13	1 188	43 359	869	1 756	27 115	89 407	56 276	146 991	5 739
33271	Machine shops	1	54	8	674	25 027	495	920	14 825	48 055	32 744	81 712	3 030
332710	Machine shops	1	54	8	674	25 027	495	920	14 825	48 055	32 744	81 712	3 030
33272	Turned product and screw, nut, and bolt manufacturing	8	10	5	514	18 332	374	836	12 290	41 352	23 532	65 279	2 709
332721	Precision turned product manufacturing	8	5	3	310	9 825	220	504	6 711	21 739	9 588	31 336	902
3328	Coating, engraving, heat treating, and allied activities	-	26	6	566	16 619	435	803	9 153	34 591	13 205	47 820	2 525
33281	Coating, engraving, heat treating, and allied activities ..	-	26	6	566	16 619	435	803	9 153	34 591	13 205	47 820	2 525
332813	Electroplating, plating, polishing, anodizing, and coloring	1	14	3	280	5 851	226	360	3 735	10 605	3 227	13 846	285
3329	Other fabricated metal product manufacturing	-	14	5	1 886	89 764	1 575	3 023	70 703	168 416	185 428	362 556	D
33299	All other fabricated metal product manufacturing	-	11	4	g	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	68	23	1 407	56 796	927	1 884	31 910	114 920	84 562	198 839	5 486
3332	Industrial machinery manufacturing	7	17	7	438	18 779	246	531	8 365	39 512	30 680	70 179	1 580
33322	Plastics and rubber industry machinery manufacturing	7	7	5	258	10 866	164	378	4 801	22 625	16 802	39 294	879
333220	Plastics and rubber industry machinery manufacturing ..	7	7	5	258	10 866	164	378	4 801	22 625	16 802	39 294	879
3335	Metalworking machinery manufacturing	1	27	6	419	18 930	330	667	14 203	31 869	14 683	45 094	2 485
33351	Metalworking machinery manufacturing	1	27	6	419	18 930	330	667	14 203	31 869	14 683	45 094	2 485
333511	Industrial mold manufacturing	-	14	3	262	12 496	220	460	10 088	16 628	5 163	22 022	1 833
3339	Other general purpose machinery manufacturing	-	17	7	414	15 096	269	506	7 160	34 813	30 573	66 133	617
33399	All other general purpose machinery manufacturing	-	11	5	277	9 115	183	333	4 578	18 226	17 225	36 140	385
334	Computer and electronic product manufacturing	-	12	4	644	24 873	397	788	10 594	42 545	39 511	82 157	3 190

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CANTON-MASSILLON, OH METROPOLITAN STATISTICAL AREA—Con.													
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . .	—	8	3	e	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	2	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	14	8	3 575	141 665	2 529	4 636	85 581	609 467	223 289	826 813	20 830
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
335311	Power, distribution, and specialty transformer manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	24	9	935	31 577	620	1 276	16 851	65 557	71 799	135 018	3 560
3362	Motor vehicle body and trailer manufacturing	—	3	3	273	5 761	187	429	4 061	15 436	28 407	44 100	D
33621	Motor vehicle body and trailer manufacturing	—	3	3	273	5 761	187	429	4 061	15 436	28 407	44 100	D
3363	Motor vehicle parts manufacturing	1	18	6	648	25 304	423	826	12 467	48 690	41 212	87 381	3 288
337	Furniture and related product manufacturing	2	22	5	970	33 947	757	1 514	23 259	64 951	45 695	107 113	1 775
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	17	1	285	7 434	237	450	5 356	17 164	15 210	29 037	447
33712	Household and institutional furniture manufacturing	9	13	1	278	7 223	231	440	5 212	16 789	14 951	28 403	437
3372	Office furniture (including fixtures) manufacturing	—	5	4	685	26 513	520	1 064	17 903	47 787	30 485	78 076	1 328
33721	Office furniture (including fixtures) manufacturing	—	5	4	685	26 513	520	1 064	17 903	47 787	30 485	78 076	1 328
337215	Showcase, partition, shelving, and locker manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	42	10	1 006	35 731	641	1 155	15 134	110 197	111 572	223 541	1 944
3399	Other miscellaneous manufacturing	—	33	9	f	D	D	D	D	D	D	D	1 695
33995	Sign manufacturing	—	16	6	589	17 763	405	743	9 343	39 216	26 362	68 269	1 323
339950	Sign manufacturing	—	16	6	589	17 763	405	743	9 343	39 216	26 362	68 269	1 323
CELINA, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	2	69	26	3 250	112 743	2 671	5 328	81 949	337 868	286 617	622 622	31 970
311	Food manufacturing	1	9	4	610	19 734	537	1 204	16 112	49 578	78 639	127 953	2 507
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
311615	Poultry processing	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	9	6	1	e	D	D	D	D	D	D	D	3 131
3231	Printing and related support activities	9	6	1	e	D	D	D	D	D	D	D	3 131
32311	Printing	9	6	1	e	D	D	D	D	D	D	D	3 131
323116	Manifold business forms printing	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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CELINA, OH MICROPOLITAN STATISTICAL AREA—Con.													
331	Primary metal manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
3315	Foundries	-	4	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	4	3	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	-	2	1	e	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	17	6	358	11 866	293	582	8 954	26 963	13 647	40 376	998
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
COSHOCTON, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	54	23	3 818	147 059	2 862	5 657	98 206	400 451	552 080	942 292	17 440
311	Food manufacturing	1	4	3	457	13 364	389	813	10 890	81 082	140 301	222 132	5 715
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
311612	Meat processed from carcasses	-	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	3	3	359	6 974	320	532	5 627	23 983	27 299	45 195	D
3149	Other textile product mills	1	3	3	359	6 974	320	532	5 627	23 983	27 299	45 195	D
31499	All other textile product mills ...	-	2	2	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	-	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	e	D	D	D	D	D	D	D	D
32213	Paperboard mills	-	1	1	e	D	D	D	D	D	D	D	D
322130	Paperboard mills	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	2	f	D	D	D	D	D	D	D	1 838
3262	Rubber product manufacturing ...	-	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	3	3	g	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
33122	Rolling and drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	-	2	2	e	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	2	2	e	D	D	D	D	D	D	D	D
331511	Iron foundries	-	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DEFIANCE, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	1	54	24	5 764	318 036	4 875	9 651	262 825	615 677	480 757	1 103 338	154 996
327	Nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	1	1	h	D	D	D	D	D	D	D	D
331511	Iron foundries	-	1	1	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	19	10	901	28 388	731	1 429	20 697	67 698	67 567	135 237	2 394
3329	Other fabricated metal product manufacturing	-	5	4	260	6 518	236	428	5 306	16 805	5 549	22 607	344
336	Transportation equipment manufacturing	9	5	3	625	30 237	532	976	24 247	79 097	68 700	147 769	D
3363	Motor vehicle parts manufacturing	9	5	3	625	30 237	532	976	24 247	79 097	68 700	147 769	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	8	2	2	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	8	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
HUNTINGTON-ASHLAND, WV-KY-OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	240	75	10 879	444 286	7 978	16 679	308 209	1 662 516	3 930 382	5 603 295	213 979
311	Food manufacturing	1	12	2	499	18 493	226	499	8 181	55 747	25 623	81 365	D
3118	Bakeries and tortilla manufacturing	-	6	1	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	6	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	3	1	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	17	4	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	-	9	3	e	D	D	D	D	D	D	D	D
32191	Millwork	-	5	3	e	D	D	D	D	D	D	D	1 931
323	Printing and related support activities	-	17	3	317	9 045	236	521	5 559	29 617	35 183	63 773	D
3231	Printing and related support activities	-	17	3	317	9 045	236	521	5 559	29 617	35 183	63 773	D
32311	Printing	-	17	3	317	9 045	236	521	5 559	29 617	35 183	63 773	D
324	Petroleum and coal products manufacturing	-	8	2	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	8	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

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HUNTINGTON-ASHLAND, WV-KY-OH METROPOLITAN STATISTICAL AREA—Con.													
325	Chemical manufacturing	-	18	11	975	48 634	738	1 501	34 475	188 912	373 754	548 784	18 270
3251	Basic chemical manufacturing ...	-	7	4	283	14 696	174	395	8 701	82 604	49 261	125 707	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	9	3	410	13 800	311	648	8 974	37 447	38 568	76 049	D
3261	Plastics product manufacturing ..	3	5	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	2	19	5	439	13 660	360	783	10 951	48 568	39 308	89 157	D
3271	Clay product and refractory manufacturing	2	4	3	e	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	2	4	3	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	8	7	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	4	4	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	-	3	3	g	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	2	2	g	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	1	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	56	17	835	27 428	641	1 297	18 891	63 707	46 864	109 943	D
3323	Architectural and structural metals manufacturing	1	16	6	262	8 810	178	376	5 189	21 100	25 248	45 289	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	30	7	e	D	D	D	D	D	D	D	1 509
33271	Machine shops	3	26	5	307	11 032	252	501	8 344	24 624	8 021	32 594	1 208
332710	Machine shops	3	26	5	307	11 032	252	501	8 344	24 624	8 021	32 594	1 208
333	Machinery manufacturing	1	21	5	893	31 378	628	1 222	17 258	98 093	75 089	174 538	D
3331	Agriculture, construction, and mining machinery manufacturing	-	4	3	394	16 842	240	519	8 103	27 270	26 170	54 457	D
33313	Mining and oil and gas field machinery manufacturing	-	4	3	394	16 842	240	519	8 103	27 270	26 170	54 457	D
333131	Mining machinery and equipment manufacturing ..	-	4	3	394	16 842	240	519	8 103	27 270	26 170	54 457	D
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
337	Furniture and related product manufacturing	-	12	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	22	3	679	24 121	579	1 174	18 780	86 490	24 672	110 809	D
3391	Medical equipment and supplies manufacturing	-	11	1	e	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	11	1	e	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	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.]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LIMA, OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	142	58	11 742	458 414	9 612	16 048	337 057	3 720 876	5 099 143	8 794 620	87 949
311	Food manufacturing	-	9	4	756	25 362	548	1 146	15 689	76 805	76 865	150 186	2 661
3116	Animal slaughtering and processing	1	3	2	257	9 613	211	409	6 274	17 312	14 988	29 081	D
31161	Animal slaughtering and processing	1	3	2	257	9 613	211	409	6 274	17 312	14 988	29 081	D
3118	Bakeries and tortilla manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	1	1	e	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries	-	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	7	4	g	D	D	D	D	D	D	D	33 065
3251	Basic chemical manufacturing ...	-	4	2	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
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	-	7	6	1 080	39 496	912	2 029	29 844	120 970	235 408	354 939	11 022
3261	Plastics product manufacturing ..	-	4	3	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	3	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	5	4	424	11 772	344	578	7 940	42 223	22 460	65 137	2 903
3315	Foundries	-	4	3	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	2	2	e	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	-	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	27	13	1 127	32 012	884	1 816	23 930	78 795	38 183	115 305	4 063
3323	Architectural and structural metals manufacturing	-	6	4	524	13 282	394	849	9 597	31 438	17 752	49 269	3 170
33232	Ornamental and architectural metal products manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
332323	Ornamental and architectural metal work manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	-	7	2	271	7 026	213	397	5 323	16 596	6 018	22 808	115
33281	Coating, engraving, heat treating, and allied activities ..	-	7	2	271	7 026	213	397	5 323	16 596	6 018	22 808	115
333	Machinery manufacturing	2	12	5	e	D	D	D	D	D	D	D	511
335	Electrical equipment, appliance, and component manufacturing	-	5	2	277	8 210	214	411	4 783	21 236	24 693	47 056	403

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LIMA, OH METROPOLITAN STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing	-	13	10	5 638	217 210	4 950	6 534	170 251	550 690	995 712	1 552 325	17 740
3363	Motor vehicle parts manufacturing	-	7	7	4 695	167 780	4 255	4 933	136 359	383 998	741 726	1 124 011	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	8	2	2	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	8	2	2	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336992	Military armored vehicle, tank, and tank component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
NEW PHILADELPHIA-DOVER, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	1	232	90	9 231	305 389	6 884	13 339	189 676	850 881	993 135	1 820 703	64 978
321	Wood product manufacturing	1	35	14	1 014	30 269	787	1 466	18 945	71 100	109 354	180 334	3 826
3212	Veneer, plywood, and engineered wood product manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	-	2	2	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
3219	Other wood product manufacturing	-	25	10	588	16 626	494	854	11 597	43 450	54 986	98 001	2 709
32192	Wood container and pallet manufacturing	-	7	4	256	6 823	225	404	5 087	18 996	12 669	31 524	2 224
321920	Wood container and pallet manufacturing	-	7	4	256	6 823	225	404	5 087	18 996	12 669	31 524	2 224
322	Paper manufacturing	-	4	2	372	12 694	306	667	8 694	30 416	29 222	58 339	D
3222	Converted paper product manufacturing	-	4	2	372	12 694	306	667	8 694	30 416	29 222	58 339	D
32222	Paper bag and coated and treated paper manufacturing ..	-	3	2	e	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	9	5	488	23 307	326	502	12 036	46 718	139 104	184 490	9 599
3251	Basic chemical manufacturing ...	-	3	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	24	17	2 035	56 744	1 514	2 779	35 813	145 724	160 900	303 228	18 894
3261	Plastics product manufacturing ..	-	13	10	954	30 220	724	1 442	19 898	82 624	90 199	170 593	6 658
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	5	3	392	10 665	324	599	7 507	23 628	18 058	38 420	D
326199	All other plastics product manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	11	7	1 081	26 524	790	1 337	15 915	63 100	70 701	132 635	12 236
32629	Other rubber product manufacturing	-	7	6	1 025	25 034	755	1 261	14 992	59 709	66 194	124 750	D
326291	Rubber product manufacturing for mechanical use	-	5	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	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW PHILADELPHIA-DOVER, OH MICROPOLITAN STATISTICAL AREA—Con.													
327	Nonmetallic mineral product manufacturing	1	15	11	661	21 808	570	1 128	17 349	57 061	33 565	82 996	6 062
3271	Clay product and refractory manufacturing	—	10	10	612	19 968	528	1 047	15 956	52 302	26 231	70 904	D
32712	Clay building material and refractories manufacturing	—	10	10	612	19 968	528	1 047	15 956	52 302	26 231	70 904	D
327121	Brick and structural clay tile manufacturing	—	7	7	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	7	4	658	28 838	502	1 155	21 424	74 417	269 465	357 144	4 583
3313	Alumina and aluminum production and processing	—	2	2	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	33	9	945	28 310	735	1 491	18 549	69 627	42 956	113 202	2 006
3323	Architectural and structural metals manufacturing	1	8	2	256	6 884	198	425	4 791	17 888	17 524	34 906	447
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	—	13	4	259	8 597	188	388	5 260	16 547	8 609	24 949	750
33271	Machine shops	—	13	4	259	8 597	188	388	5 260	16 547	8 609	24 949	750
332710	Machine shops	—	13	4	259	8 597	188	388	5 260	16 547	8 609	24 949	750
333	Machinery manufacturing	5	20	9	1 336	54 615	809	1 455	27 002	142 709	102 937	228 158	7 433
3335	Metalworking machinery manufacturing	—	6	1	e	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	—	6	1	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing ...	—	2	1	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	9	6	3	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	9	1	1	f	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
3359	Other electrical equipment and component manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	17	6	584	18 789	401	854	9 773	106 382	27 716	133 423	1 798
3391	Medical equipment and supplies manufacturing	—	8	3	e	D	D	D	D	D	D	D	1 472
33911	Medical equipment and supplies manufacturing	—	8	3	e	D	D	D	D	D	D	D	1 472
339113	Surgical appliance and supplies manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
NORWALK, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	106	48	8 553	300 844	7 044	13 833	223 265	1 028 262	982 486	2 008 452	30 482
311	Food manufacturing	—	4	3	809	32 157	641	1 043	24 287	277 276	322 842	601 075	5 318
3118	Bakeries and tortilla manufacturing	—	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
313	Textile mills	—	3	3	e	D	D	D	D	D	D	D	D
3132	Fabric mills	—	3	3	e	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	—	3	3	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	—	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NORWALK, OH MICROPOLITAN STATISTICAL AREA—Con.													
323	Printing and related support activities	-	7	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	7	1	g	D	D	D	D	D	D	D	D
32311	Printing	-	7	1	g	D	D	D	D	D	D	D	D
323117	Books printing	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	13	8	888	27 571	752	1 690	20 518	67 706	57 657	125 390	6 597
3261	Plastics product manufacturing ..	-	9	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	8	4	660	19 656	574	1 319	15 041	53 471	44 246	97 900	6 301
326199	All other plastics product manufacturing	-	8	4	660	19 656	574	1 319	15 041	53 471	44 246	97 900	6 301
332	Fabricated metal product manufacturing	1	24	7	716	25 086	547	1 180	16 557	50 075	29 985	79 397	2 655
3328	Coating, engraving, heat treating, and allied activities	-	3	1	e	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	3	1	e	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	3	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	12	5	1 428	54 004	1 175	2 055	40 481	212 963	269 043	474 507	4 759
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
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
334	Computer and electronic product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	2	e	D	D	D	D	D	D	D	917
337	Furniture and related product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	5	9	5	617	15 217	516	995	10 337	33 237	34 767	77 429	2 031
3391	Medical equipment and supplies manufacturing	5	4	4	572	13 944	479	916	9 655	30 199	33 401	73 040	2 008
33911	Medical equipment and supplies manufacturing	5	4	4	572	13 944	479	916	9 655	30 199	33 401	73 040	2 008
339112	Surgical and medical instrument manufacturing ..	9	1	1	e	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
PARKERSBURG-MARIETTA, WV-OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	194	74	11 046	496 851	7 360	14 862	306 722	1 925 194	2 090 737	4 022 754	126 567
321	Wood product manufacturing	5	23	8	543	12 398	448	822	9 427	24 940	34 592	59 432	1 513
3219	Other wood product manufacturing	4	12	6	408	8 685	331	644	6 450	16 725	19 974	36 710	1 078
32192	Wood container and pallet manufacturing	4	7	4	325	6 354	257	505	4 428	11 311	16 595	27 932	D
321920	Wood container and pallet manufacturing	4	7	4	325	6 354	257	505	4 428	11 311	16 595	27 932	D
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
32222	Paper bag and coated and treated paper manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	21	14	4 313	264 449	2 688	5 646	162 005	1 339 531	1 481 324	2 812 349	97 340
3251	Basic chemical manufacturing ...	—	9	4	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	8	8	3 637	231 026	2 376	5 030	146 727	1 172 177	1 351 197	2 503 482	66 704
32521	Resin and synthetic rubber manufacturing	—	8	8	3 637	231 026	2 376	5 030	146 727	1 172 177	1 351 197	2 503 482	66 704
325211	Plastics material and resin manufacturing	—	7	7	h	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	17	8	975	29 224	686	1 402	20 871	70 011	32 439	102 351	D
3272	Glass and glass product manufacturing	—	6	4	721	22 338	517	1 130	15 726	53 995	21 644	75 825	D
32721	Glass and glass product manufacturing	—	6	4	721	22 338	517	1 130	15 726	53 995	21 644	75 825	D
327212	Other pressed and blown glass and glassware manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	9	7	822	37 798	575	1 321	23 287	66 220	205 320	281 872	6 372
3311	Iron and steel mills and ferroalloy manufacturing	—	4	4	730	35 259	504	1 180	21 613	56 338	187 803	256 212	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	4	730	35 259	504	1 180	21 613	56 338	187 803	256 212	D
331112	Electrometallurgical ferroalloy product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	34	14	1 593	52 151	1 136	2 070	36 117	148 682	81 616	237 871	D
3322	Cutlery and handtool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	14	8	467	14 776	301	548	7 881	37 399	20 952	58 096	D
33232	Ornamental and architectural metal products manufacturing	2	6	4	278	10 392	174	342	5 273	22 613	13 534	36 138	726
332322	Sheet metal work manufacturing	2	6	4	278	10 392	174	342	5 273	22 613	13 534	36 138	726
333	Machinery manufacturing	5	13	4	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	—	13	2	302	10 081	203	387	5 826	35 432	21 607	57 788	277
339	Miscellaneous manufacturing	1	15	4	962	38 232	507	984	15 114	82 772	63 047	145 377	2 401
3391	Medical equipment and supplies manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	4	9	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
POINT PLEASANT, WV-OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	37	11	1 628	64 445	1 258	2 636	43 882	240 483	351 705	589 269	49 633
325	Chemical manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
PORTSMOUTH, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	61	15	2 061	70 059	1 564	3 242	50 384	164 463	368 298	534 993	14 727
312	Beverage and tobacco product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	-	1	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
321	Wood product manufacturing	-	15	2	308	7 632	282	568	6 492	21 700	18 452	39 921	1 326
331	Primary metal manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	1	e	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
SANDUSKY, OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	126	53	8 732	427 149	6 701	14 071	307 464	1 198 890	1 356 056	2 544 596	69 334
311	Food manufacturing	-	11	4	618	16 712	488	855	12 866	33 734	112 668	146 136	1 485
3116	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	-	2	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	8	4	401	20 195	300	675	15 915	215 878	165 038	381 869	2 115
3255	Paint, coating, and adhesive manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
325510	Paint and coating 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SANDUSKY, OH METROPOLITAN STATISTICAL AREA—Con.													
326	Plastics and rubber products manufacturing	-	8	6	1 529	57 889	1 126	2 427	37 933	79 826	204 055	282 537	19 163
3261	Plastics product manufacturing ..	-	8	6	1 529	57 889	1 126	2 427	37 933	79 826	204 055	282 537	19 163
32611	Plastics packaging materials and un laminated film and sheet manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
326113	Un laminated plastics film and sheet (except packaging) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	4	3	375	9 749	324	646	7 527	22 424	16 616	39 185	D
326199	All other plastics product manufacturing	-	4	3	375	9 749	324	646	7 527	22 424	16 616	39 185	D
331	Primary metal manufacturing	-	4	4	307	13 539	220	488	8 005	35 777	38 024	74 924	1 910
3315	Foundries	1	3	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	23	9	1 626	83 900	1 412	3 090	69 644	227 127	198 734	423 364	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	12	4	e	D	D	D	D	D	D	D	669
3329	Other fabricated metal product manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	13	7	974	54 685	454	1 011	18 461	111 788	101 219	208 765	4 718
3332	Industrial machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	1	1	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
33512	Lighting fixture manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	-	1	1	e	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
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
SIDNEY, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	149	75	13 685	591 241	10 039	20 710	384 668	1 261 874	4 450 195	5 713 064	186 023
311	Food manufacturing	1	11	7	1 287	37 582	1 045	2 166	28 075	170 339	481 757	653 327	9 807
3112	Grain and oilseed milling	-	2	2	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
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
311412	Frozen specialty food manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	6	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SIDNEY, OH MICROPOLITAN STATISTICAL AREA—Con.													
315	Apparel manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
315228	Men's and boys' cut and sew other outerwear manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	7	6	1 312	41 020	1 223	2 476	37 713	103 470	195 954	299 909	D
3261	Plastics product manufacturing ..	-	6	5	g	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	6	5	f	D	D	D	D	D	D	D	D
3315	Foundries	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
33152	Nonferrous metal foundries	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
331524	Aluminum foundries (except die-casting)	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
332	Fabricated metal product manufacturing	-	51	17	1 899	68 950	1 435	3 043	48 477	215 704	330 365	548 736	8 931
3323	Architectural and structural metals manufacturing	-	13	7	1 285	44 038	981	2 151	32 163	172 139	302 136	475 748	4 926
33232	Ornamental and architectural metal products manufacturing	-	10	7	1 258	42 982	963	2 112	31 534	169 825	300 136	471 434	4 837
332321	Metal window and door manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	-	7	4	549	18 112	456	997	14 982	48 082	88 884	138 218	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	6	24	5	e	D	D	D	D	D	D	D	D
33271	Machine shops	6	23	5	285	13 562	230	495	8 904	23 451	11 175	34 865	1 833
332710	Machine shops	6	23	5	285	13 562	230	495	8 904	23 451	11 175	34 865	1 833
333	Machinery manufacturing	1	23	16	2 231	127 972	947	2 056	41 700	143 253	280 470	433 256	9 987
3332	Industrial machinery manufacturing	3	6	4	417	16 471	230	472	7 296	32 625	41 187	77 616	1 606
33329	Other industrial machinery manufacturing	3	6	4	417	16 471	230	472	7 296	32 625	41 187	77 616	1 606
333293	Printing machinery and equipment manufacturing ..	6	2	2	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	-	9	5	270	13 481	185	426	9 035	26 734	25 315	51 188	1 843
33351	Metalworking machinery manufacturing	-	9	5	270	13 481	185	426	9 035	26 734	25 315	51 188	1 843
3339	Other general purpose machinery manufacturing	6	5	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	-	1	1	e	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	-	1	1	e	D	D	D	D	D	D	D	D

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SIDNEY, OH MICROPOLITAN STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing	-	11	9	4 654	243 617	3 646	7 497	183 980	350 786	2 908 327	3 255 969	D
3362	Motor vehicle body and trailer manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
336214	Travel trailer and camper manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	7	7	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	2	2	f	D	D	D	D	D	D	D	D
VAN WERT, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	46	19	3 790	117 103	3 180	6 322	89 767	323 026	417 887	736 248	16 152
322	Paper manufacturing	1	3	2	252	6 852	227	380	5 827	18 910	25 917	45 015	428
3222	Converted paper product manufacturing	1	3	2	252	6 852	227	380	5 827	18 910	25 917	45 015	428
332	Fabricated metal product manufacturing	-	11	5	1 407	45 944	1 101	2 150	31 641	141 502	132 735	269 124	5 096
3329	Other fabricated metal product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	4	878	25 126	760	1 580	21 642	72 392	68 596	141 279	5 721
3363	Motor vehicle parts manufacturing	-	3	3	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	-	3	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
WAPAKONETA, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	97	38	7 242	293 041	5 283	11 015	192 926	734 140	1 024 572	1 766 598	64 436
311	Food manufacturing	-	9	5	531	22 801	340	740	12 369	311 952	171 596	483 744	15 277
3115	Dairy product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	6	3	975	41 673	754	1 550	29 857	87 858	155 566	244 736	17 064
3262	Rubber product manufacturing ...	-	4	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	3	3	954	41 017	737	1 515	29 403	86 191	153 395	240 898	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WAPAKONETA, OH MICROPOLITAN STATISTICAL AREA—Con.													
331	Primary metal manufacturing	-	4	2	348	13 834	277	565	9 388	30 065	47 745	78 333	459
3315	Foundries	-	3	2	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	2	1	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting).....	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	30	10	996	33 139	814	1 567	23 766	67 917	77 486	145 987	7 775
3321	Forging and stamping.....	-	7	6	737	25 399	630	1 276	19 485	50 218	68 974	119 667	D
33211	Forging and stamping.....	-	7	6	737	25 399	630	1 276	19 485	50 218	68 974	119 667	D
332112	Nonferrous forging	-	1	1	e	D	D	D	D	D	D	D	D
332116	Metal stamping	-	6	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	18	10	3 287	140 342	2 193	4 728	88 003	138 469	339 566	482 531	8 134
3335	Metalworking machinery manufacturing	-	13	7	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	-	13	7	f	D	D	D	D	D	D	D	D
333513	Machine tool (metal forming types) manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	3	3	h	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
WEIRTON-STEUBENVILLE, WV-OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	99	51	11 559	498 190	9 055	18 640	372 793	1 355 178	2 437 542	3 744 691	82 250
322	Paper manufacturing	-	5	5	387	12 020	299	625	8 465	34 124	30 365	64 433	D
3222	Converted paper product manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	9	4	e	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	9	4	e	D	D	D	D	D	D	D	D
32311	Printing	-	9	4	e	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	13	7	1 345	36 241	1 116	2 176	27 420	76 379	47 249	123 537	3 155
3271	Clay product and refractory manufacturing	-	6	4	1 221	32 241	1 010	1 989	24 205	59 454	31 200	91 158	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	4	3	g	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	-	2	1	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WEIRTON-STEUBENVILLE, WV-OH METROPOLITAN STATISTICAL AREA—Con.													
331	Primary metal manufacturing	-	6	6	6 664	336 276	5 259	11 109	258 747	814 779	1 363 196	2 156 027	D
3311	Iron and steel mills and ferroalloy manufacturing	-	5	5	i	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	5	5	i	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	5	5	i	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	-	1	1	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	-	1	1	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	21	15	1 664	52 385	1 220	2 465	35 664	181 591	538 949	717 872	12 030
3323	Architectural and structural metals manufacturing	-	6	4	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	-	5	5	487	21 930	358	764	15 131	84 579	410 408	488 300	D
33281	Coating, engraving, heat treating, and allied activities ..	-	5	5	487	21 930	358	764	15 131	84 579	410 408	488 300	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	3	3	e	D	D	D	D	D	D	D	3 470
3329	Other fabricated metal product manufacturing	-	3	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
WHEELING, WV-OH METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	'130	'31	'3 385	'116 984	'2 593	'5 064	'79 614	'368 386	'574 079	'936 105	'11 037
311	Food manufacturing	-	14	3	405	13 306	280	591	8 904	49 610	65 481	115 089	352
332	Fabricated metal product manufacturing	-	'28	'8	'1 077	'40 251	'849	'1 648	'28 032	'101 032	'341 706	'433 605	'1 635
3328	Coating, engraving, heat treating, and allied activities	-	4	3	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	4	3	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	e	D	D	D	D	D	D	D	D
WOOSTER, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	280	111	14 934	522 130	10 331	20 792	333 101	1 609 486	1 412 320	3 028 041	106 738
311	Food manufacturing	-	22	10	1 879	64 107	1 342	2 630	41 123	475 352	308 753	783 795	12 857
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	-	2	1	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	2	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
311511	Fluid milk 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WOOSTER, OH MICROPOLITAN STATISTICAL AREA—Con.													
311	Food manufacturing—Con.												
3116	Animal slaughtering and processing	—	3	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	3	1	e	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
31191	Snack food manufacturing.....	—	1	1	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	40	13	879	21 169	710	1 343	15 421	44 399	65 217	110 396	2 057
3219	Other wood product manufacturing	1	31	11	702	15 313	588	1 067	11 674	33 224	52 047	86 009	1 570
32192	Wood container and pallet manufacturing	1	13	9	459	10 163	404	731	7 994	20 365	42 878	63 926	931
321920	Wood container and pallet manufacturing	1	13	9	459	10 163	404	731	7 994	20 365	42 878	63 926	931
322	Paper manufacturing	—	6	5	647	28 340	518	1 126	20 074	58 219	104 284	162 225	2 220
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
322211	Corrugated and solid fiber box manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	11	5	489	22 969	362	751	16 344	92 637	42 909	136 150	1 423
3259	Other chemical product and preparation manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	18	10	2 332	48 031	1 241	2 604	36 878	168 307	148 971	316 572	25 025
3261	Plastics product manufacturing	—	13	8	2 182	43 112	1 130	2 396	34 435	150 386	136 519	286 349	23 638
32619	Other plastics product manufacturing	—	9	6	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	7	5	2 047	39 442	1 036	2 207	32 422	139 238	118 500	258 128	D
327	Nonmetallic mineral product manufacturing	1	18	10	700	21 589	578	1 100	15 920	53 896	33 474	85 089	2 236
3271	Clay product and refractory manufacturing	—	4	4	389	11 359	337	578	8 858	24 890	9 708	32 476	892
32712	Clay building material and refractories manufacturing.....	—	4	4	389	11 359	337	578	8 858	24 890	9 708	32 476	892
327121	Brick and structural clay tile manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	2	11	7	1 110	43 619	861	1 764	30 098	127 145	108 311	226 054	3 266
3312	Steel product manufacturing from purchased steel.....	3	4	4	618	29 040	456	953	19 724	100 657	90 480	181 560	2 308
33122	Rolling and drawing of purchased steel.....	5	3	3	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing.....	5	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries	—	5	2	e	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries.....	—	2	2	e	D	D	D	D	D	D	D	D
331511	Iron foundries.....	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	37	15	1 314	53 064	891	1 846	29 934	92 736	74 436	165 759	11 684
3329	Other fabricated metal product manufacturing	1	9	5	622	26 545	423	883	15 020	49 943	36 910	84 868	3 057
33291	Metal valve manufacturing	1	3	2	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	1	6	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WOOSTER, OH MICROPOLITAN STATISTICAL AREA—Con.													
333	Machinery manufacturing	1	26	10	1 408	52 337	991	1 984	32 980	109 928	195 569	331 077	8 634
3331	Agriculture, construction, and mining machinery manufacturing	3	10	5	600	21 676	440	914	12 659	46 142	89 851	157 072	1 727
33312	Construction machinery manufacturing	—	3	3	352	14 513	239	532	7 977	24 942	50 798	97 229	D
333120	Construction machinery manufacturing	—	3	3	352	14 513	239	532	7 977	24 942	50 798	97 229	D
3339	Other general purpose machinery manufacturing	—	7	4	740	28 083	503	990	18 820	60 169	100 644	165 614	6 798
33399	All other general purpose machinery manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	4	4	352	20 241	137	322	7 984	29 405	26 572	62 339	1 465
336	Transportation equipment manufacturing	—	14	8	2 330	92 098	1 651	3 225	56 776	230 227	205 899	423 620	30 437
3362	Motor vehicle body and trailer manufacturing	6	6	3	377	13 397	272	558	8 218	24 472	29 877	53 396	538
33621	Motor vehicle body and trailer manufacturing	6	6	3	377	13 397	272	558	8 218	24 472	29 877	53 396	538
336211	Motor vehicle body manufacturing	6	5	3	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	8	5	1 953	78 701	1 379	2 667	48 558	205 755	176 022	370 224	29 899
33635	Motor vehicle transmission and power train parts manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	2	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	38	4	327	10 549	253	496	6 352	19 814	17 965	37 950	1 277
339	Miscellaneous manufacturing	—	16	5	884	31 249	610	1 247	18 277	82 307	56 970	139 027	3 245
3399	Other miscellaneous manufacturing	—	12	4	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	7	4	778	27 364	562	1 158	16 756	73 298	52 661	125 511	D
339994	Broom, brush, and mop manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
ZANESVILLE, OH MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	109	35	7 530	267 106	6 565	12 969	221 677	768 691	463 060	1 226 386	50 533
311	Food manufacturing	3	11	8	710	23 817	500	1 010	13 988	110 786	64 640	174 743	8 445
3118	Bakeries and tortilla manufacturing	5	3	2	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	5	3	2	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	5	2	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	—	3	3	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	—	3	3	e	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	—	3	3	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	—	3	3	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	12	2	h	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	—	11	2	h	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	—	4	2	h	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	—	2	1	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	ZANESVILLE, OH MICROPOLITAN STATISTICAL AREA—Con.												
327	Nonmetallic mineral product manufacturing	-	19	6	793	25 953	709	1 369	21 780	79 148	44 471	123 789	3 763
3271	Clay product and refractory manufacturing	-	5	3	266	5 660	230	524	4 259	7 258	7 504	14 732	432
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	5	3	266	5 660	230	524	4 259	7 258	7 504	14 732	432
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	-	5	3	266	5 660	230	524	4 259	7 258	7 504	14 732	432
3272	Glass and glass product manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
327213	Glass container manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	4	3	250	12 607	155	348	7 279	16 699	11 753	27 584	518
335	Electrical equipment, appliance, and component manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	-	1	1	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

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Industries 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.

⁴Number 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
ADAMS													
31-33	Manufacturing	1	35	6	650	27 012	570	1 089	23 299	40 368	25 212	65 861	1 307
ALLEN													
31-33	Manufacturing	-	142	58	11 742	458 414	9 612	16 048	337 057	3 720 876	5 099 143	8 794 620	87 949
311	Food manufacturing	-	9	4	756	25 362	548	1 146	15 689	76 805	76 865	150 186	2 661
325	Chemical manufacturing	-	7	4	g	D	D	D	D	D	D	D	33 065
326	Plastics and rubber products manufacturing	-	7	6	1 080	39 496	912	2 029	29 844	120 970	235 408	354 939	11 022
3262	Rubber product manufacturing ...	-	3	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	27	13	1 127	32 012	884	1 816	23 930	78 795	38 183	115 305	4 063
3323	Architectural and structural metals manufacturing	-	6	4	524	13 282	394	849	9 597	31 438	17 752	49 269	3 170
336	Transportation equipment manufacturing	-	13	10	5 638	217 210	4 950	6 534	170 251	550 690	995 712	1 552 325	17 740
3363	Motor vehicle parts manufacturing	-	7	7	4 695	167 780	4 255	4 933	136 359	383 998	741 726	1 124 011	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336992	Military armored vehicle, tank, and tank component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
ASHLAND													
31-33	Manufacturing	-	96	42	5 322	193 204	3 910	7 966	124 058	611 651	457 634	1 066 851	22 351
327	Nonmetallic mineral product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	14	7	1 155	46 319	776	1 596	27 687	127 357	134 230	266 411	3 829
3339	Other general purpose machinery manufacturing	-	5	5	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	5	4	923	36 686	644	1 403	22 244	75 270	64 299	135 257	4 652
3399	Other miscellaneous manufacturing	-	5	4	923	36 686	644	1 403	22 244	75 270	64 299	135 257	4 652
33999	All other miscellaneous manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device 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]

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
ASHTABULA													
31-33	Manufacturing	1	193	67	8 883	300 815	6 732	14 275	205 369	768 197	830 269	1 604 479	48 901
325	Chemical manufacturing	-	17	11	1 098	62 450	691	1 582	35 280	269 365	323 078	590 648	19 750
3251	Basic chemical manufacturing ...	-	10	7	828	50 946	507	1 180	28 949	232 388	285 692	516 949	18 760
326	Plastics and rubber products manufacturing	4	32	23	4 186	123 176	3 344	7 180	88 545	252 360	241 870	494 940	19 463
3261	Plastics product manufacturing ..	4	25	19	3 469	98 152	2 753	5 963	70 132	217 717	207 642	426 748	14 724
32619	Other plastics product manufacturing	6	17	15	2 995	84 462	2 353	5 111	59 515	173 315	168 866	343 079	10 009
326199	All other plastics product manufacturing	6	17	15	2 995	84 462	2 353	5 111	59 515	173 315	168 866	343 079	10 009
3262	Rubber product manufacturing ...	-	7	4	717	25 024	591	1 217	18 413	34 643	34 228	68 192	4 739
32629	Other rubber product manufacturing	-	7	4	717	25 024	591	1 217	18 413	34 643	34 228	68 192	4 739
326291	Rubber product manufacturing for mechanical use	-	6	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	51	10	752	27 852	597	1 279	19 877	60 284	70 606	132 824	1 140
333	Machinery manufacturing	1	22	4	698	27 491	572	898	20 999	53 794	34 845	87 964	2 388
336	Transportation equipment manufacturing	-	10	4	604	13 554	459	1 008	9 696	17 934	27 916	52 360	457
ATHENS													
31-33	Manufacturing	-	37	4	f	D	D	D	D	D	D	D	D
AUGLAIZE													
31-33	Manufacturing	-	97	38	7 242	293 041	5 283	11 015	192 926	734 140	1 024 572	1 766 598	64 436
311	Food manufacturing	-	9	5	531	22 801	340	740	12 369	311 952	171 596	483 744	15 277
326	Plastics and rubber products manufacturing	-	6	3	975	41 673	754	1 550	29 857	87 858	155 566	244 736	17 064
3262	Rubber product manufacturing ...	-	4	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	3	3	954	41 017	737	1 515	29 403	86 191	153 395	240 898	D
332	Fabricated metal product manufacturing	-	30	10	996	33 139	814	1 567	23 766	67 917	77 486	145 987	7 775
3321	Forging and stamping.....	-	7	6	737	25 399	630	1 276	19 485	50 218	68 974	119 667	D
33211	Forging and stamping.....	-	7	6	737	25 399	630	1 276	19 485	50 218	68 974	119 667	D
333	Machinery manufacturing	-	18	10	3 287	140 342	2 193	4 728	88 003	138 469	339 566	482 531	8 134
3335	Metalworking machinery manufacturing	-	13	7	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	-	13	7	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	3	3	h	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
BELMONT													
31-33	Manufacturing	-	57	10	1 727	60 238	1 339	2 614	44 624	159 744	446 457	597 747	1 431
332	Fabricated metal product manufacturing	-	14	3	683	26 661	534	982	19 171	67 244	322 516	382 540	186
3328	Coating, engraving, heat treating, and allied activities	-	4	3	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	4	3	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	2	2	f	D	D	D	D	D	D	D	D
BROWN													
31-33	Manufacturing	3	23	5	530	20 008	407	741	13 402	24 621	22 831	46 967	1 465

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BUTLER													
31-33	Manufacturing	1	439	169	20 619	908 897	14 842	30 907	589 551	2 471 499	3 477 626	5 936 424	201 034
311	Food manufacturing	3	25	7	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
31212	Breweries	9	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	9	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	29	23	3 336	146 267	2 449	5 161	92 257	545 103	529 416	1 076 667	28 230
3221	Pulp, paper, and paperboard mills	—	6	6	g	D	D	D	D	D	D	D	D
32212	Paper mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
322121	Paper (except newsprint) mills	—	4	4	1 267	66 609	949	2 053	43 632	311 837	216 976	530 500	16 561
3222	Converted paper product manufacturing	—	23	17	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	14	12	1 012	41 212	723	1 524	24 353	122 939	159 518	281 979	D
322211	Corrugated and solid fiber box manufacturing	—	9	8	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	39	12	548	20 005	393	705	12 179	45 220	34 735	77 448	1 818
3231	Printing and related support activities	2	39	12	548	20 005	393	705	12 179	45 220	34 735	77 448	1 818
32311	Printing	2	37	11	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	23	7	532	22 991	251	525	11 677	116 555	82 994	198 717	9 011
326	Plastics and rubber products manufacturing	1	24	16	1 910	69 593	1 284	2 645	36 451	194 561	128 535	321 035	9 720
3261	Plastics product manufacturing ..	1	24	16	1 910	69 593	1 284	2 645	36 451	194 561	128 535	321 035	9 720
32612	Plastics pipe, pipe fitting, and unlined profile shape manufacturing	2	2	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	16	11	1 230	42 840	793	1 594	20 870	103 013	70 815	173 320	4 294
326199	All other plastics product manufacturing	1	14	10	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	9	6	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	2	2	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	107	28	2 525	105 371	1 872	3 845	69 302	252 433	244 472	499 586	12 496
3328	Coating, engraving, heat treating, and allied activities	—	14	5	511	25 396	355	820	16 490	80 028	117 660	197 181	D
33281	Coating, engraving, heat treating, and allied activities ..	—	14	5	511	25 396	355	820	16 490	80 028	117 660	197 181	D
3329	Other fabricated metal product manufacturing	1	12	6	652	25 456	506	1 008	17 458	57 300	55 683	113 720	2 128
33299	All other fabricated metal product manufacturing	1	12	6	652	25 456	506	1 008	17 458	57 300	55 683	113 720	2 128
332999	All other miscellaneous fabricated metal product manufacturing	—	7	4	558	22 659	449	904	16 160	49 263	49 595	99 469	D
333	Machinery manufacturing	—	49	22	1 840	78 273	1 106	2 308	39 069	248 606	204 355	452 472	16 076
3339	Other general purpose machinery manufacturing	—	16	9	1 117	44 026	649	1 431	23 064	162 400	134 860	295 926	D
33392	Material handling equipment manufacturing	—	3	3	527	18 230	326	776	11 693	70 765	46 471	116 724	D
333922	Conveyor and conveying equipment manufacturing ..	—	3	3	527	18 230	326	776	11 693	70 765	46 471	116 724	D
335	Electrical equipment, appliance, and component manufacturing	3	15	9	1 104	43 049	787	1 530	25 681	100 234	73 371	174 409	3 875
3353	Electrical equipment manufacturing	—	9	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	9	4	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	6	f	D	D	D	D	D	D	D	32 504
339	Miscellaneous manufacturing	2	26	9	f	D	D	D	D	D	D	D	1 108

See footnotes at end of table.

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

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CARROLL													
31-33	Manufacturing	-	41	14	1 611	49 543	1 267	2 582	35 627	125 550	104 977	227 401	7 373
332	Fabricated metal product manufacturing	-	9	3	828	28 388	679	1 433	21 638	80 526	66 744	144 238	D
3321	Forging and stamping.....	-	4	3	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	4	3	f	D	D	D	D	D	D	D	D
332111	Iron and steel forging	-	3	3	f	D	D	D	D	D	D	D	D
CHAMPAIGN													
31-33	Manufacturing	-	49	22	3 462	129 372	2 805	4 906	92 176	579 165	420 858	973 893	70 255
334	Computer and electronic product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	5	1 258	49 879	1 025	2 055	35 881	244 725	241 309	471 562	D
3363	Motor vehicle parts manufacturing	-	4	3	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
CLARK													
31-33	Manufacturing	-	204	73	9 300	392 600	6 796	13 737	265 158	1 195 373	1 740 455	2 935 093	70 425
311	Food manufacturing	1	11	6	589	20 591	434	837	15 422	101 533	109 041	210 046	12 257
332	Fabricated metal product manufacturing	1	68	20	1 965	79 886	1 381	2 753	44 509	223 672	152 522	376 985	17 031
3321	Forging and stamping.....	-	9	4	791	34 398	489	956	15 104	127 544	110 144	237 713	D
33211	Forging and stamping.....	-	9	4	791	34 398	489	956	15 104	127 544	110 144	237 713	D
332116	Metal stamping	-	7	4	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	29	9	602	22 741	477	972	15 723	46 194	19 780	65 967	2 623
333	Machinery manufacturing	3	30	14	1 066	44 940	711	1 420	25 761	170 149	75 802	247 421	5 858
3339	Other general purpose machinery manufacturing	-	6	5	521	22 807	320	598	12 221	91 457	31 136	125 618	D
336	Transportation equipment manufacturing	-	21	12	3 717	188 056	2 810	6 011	144 710	553 154	1 266 929	1 818 514	D
3361	Motor vehicle manufacturing.....	-	2	2	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	14	10	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	11	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	7	2	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLERMONT													
31-33	Manufacturing	-	176	56	7 734	310 258	4 620	9 783	137 184	877 308	799 074	1 682 612	34 255
332	Fabricated metal product manufacturing	-	37	14	1 125	49 604	732	1 475	26 764	111 985	83 427	205 797	3 251
333	Machinery manufacturing	-	21	9	h	D	D	D	D	D	D	D	13 381
3332	Industrial machinery manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	-	4	1	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
CLINTON													
31-33	Manufacturing	-	47	24	4 195	140 173	3 190	6 291	84 842	367 804	483 521	843 392	36 481
332	Fabricated metal product manufacturing	-	9	4	730	22 939	529	1 005	15 745	74 489	53 491	126 453	4 623
336	Transportation equipment manufacturing	-	5	3	1 093	32 036	973	1 732	20 421	133 400	121 174	250 981	D
3363	Motor vehicle parts manufacturing	-	4	3	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
COLUMBIANA													
31-33	Manufacturing	1	210	66	7 106	232 568	5 583	11 582	161 456	520 557	618 425	1 136 529	47 648
311	Food manufacturing	-	6	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	3	769	21 359	639	1 467	17 908	39 895	50 285	89 643	2 298
3261	Plastics product manufacturing ..	-	4	3	769	21 359	639	1 467	17 908	39 895	50 285	89 643	2 298
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	4	29	10	1 236	35 101	1 045	1 981	26 652	67 041	34 802	103 254	4 770
3271	Clay product and refractory manufacturing	4	15	9	1 112	30 829	958	1 802	23 819	56 998	25 885	83 947	1 599
32711	Pottery, ceramics, and plumbing fixture manufacturing	1	7	5	863	22 473	758	1 394	16 982	37 250	12 071	49 958	705
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	1	7	5	863	22 473	758	1 394	16 982	37 250	12 071	49 958	705

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBIANA—Con.													
332	Fabricated metal product manufacturing	1	57	14	1 751	68 147	1 302	2 662	45 900	181 831	159 082	336 274	23 236
3329	Other fabricated metal product manufacturing	-	11	5	1 121	44 921	791	1 713	28 837	134 362	117 473	246 656	D
33299	All other fabricated metal product manufacturing	-	10	4	f	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	35	13	1 014	37 649	667	1 401	22 679	73 843	50 538	125 542	2 826
COSHOCTON													
31-33	Manufacturing	-	54	23	3 818	147 059	2 862	5 657	98 206	400 451	552 080	942 292	17 440
326	Plastics and rubber products manufacturing	-	4	2	f	D	D	D	D	D	D	D	1 838
3262	Rubber product manufacturing ...	-	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	3	3	g	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
33122	Rolling and drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
CRAWFORD													
31-33	Manufacturing	1	90	40	5 871	212 015	4 543	8 521	148 866	655 104	479 345	1 131 356	26 743
326	Plastics and rubber products manufacturing	3	7	6	833	24 686	696	1 198	18 424	80 783	66 548	144 167	2 908
332	Fabricated metal product manufacturing	-	19	7	1 191	52 361	978	2 076	42 320	287 509	102 714	388 127	2 648
3329	Other fabricated metal product manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	13	8	785	29 053	546	1 023	18 369	57 757	75 064	134 393	2 132
334	Computer and electronic product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	7	7	980	30 331	822	1 488	21 696	69 650	117 891	187 600	13 492
CUYAHOGA													
31-33	Manufacturing	1	2 477	820	97 742	4 070 360	68 237	128 924	2 474 695	10 396 627	9 384 265	19 827 491	686 506
311	Food manufacturing	1	131	26	4 083	136 164	2 978	6 298	86 590	757 617	587 209	1 349 637	15 341
3114	Fruit and vegetable preserving and specialty food manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	3	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	83	13	1 655	48 340	1 114	2 045	29 827	114 253	102 880	220 292	D
31181	Bread and bakery product manufacturing	1	78	11	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	1	15	8	g	D	D	D	D	D	D	D	D
315	Apparel manufacturing	2	26	8	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	18	6	f	D	D	D	D	D	D	D	761

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CUYAHOGA—Con.													
322	Paper manufacturing	2	49	35	2 781	100 772	2 186	4 487	65 106	282 291	301 947	589 273	19 774
3222	Converted paper product manufacturing	2	48	34	h	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	31	21	1 818	65 005	1 468	3 064	44 064	162 892	203 928	364 652	D
322211	Corrugated and solid fiber box manufacturing	1	14	9	676	28 233	525	1 180	17 591	59 625	90 023	148 597	10 290
322212	Folding paperboard box manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	261	46	4 751	178 194	3 277	6 417	107 259	384 215	191 834	576 378	12 594
3231	Printing and related support activities	1	261	46	4 751	178 194	3 277	6 417	107 259	384 215	191 834	576 378	12 594
32311	Printing	2	229	44	4 364	165 662	2 980	5 821	99 180	361 597	184 300	545 970	D
323110	Commercial lithographic printing	2	116	34	3 200	121 720	2 224	4 395	75 806	272 948	132 423	406 064	8 066
325	Chemical manufacturing	2	122	66	8 262	388 116	4 666	9 465	187 497	1 654 262	1 336 424	2 970 535	97 865
3251	Basic chemical manufacturing ...	—	18	10	682	33 672	385	808	17 617	124 520	113 374	240 390	5 839
3254	Pharmaceutical and medicine manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	24	14	2 404	125 598	1 093	2 293	48 107	322 038	441 439	755 666	18 044
32551	Paint and coating manufacturing	1	19	10	1 747	95 706	614	1 172	31 798	195 310	313 629	507 522	11 171
325510	Paint and coating manufacturing	1	19	10	1 747	95 706	614	1 172	31 798	195 310	313 629	507 522	11 171
32552	Adhesive manufacturing	4	5	4	657	29 892	479	1 121	16 309	126 728	127 810	248 144	6 873
325520	Adhesive manufacturing ...	4	5	4	657	29 892	479	1 121	16 309	126 728	127 810	248 144	6 873
3256	Soap, cleaning compound, and toilet preparation manufacturing .	2	37	21	2 670	102 320	1 602	3 099	49 674	649 615	387 392	1 027 184	D
32561	Soap and cleaning compound manufacturing	—	21	7	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	3	16	14	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	3	16	14	g	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	3	31	14	1 212	57 010	684	1 414	27 635	214 871	201 048	416 688	D
32599	All other chemical product and preparation manufacturing ...	3	24	11	f	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	4	18	7	770	36 200	461	951	19 536	154 705	145 035	300 706	4 004
326	Plastics and rubber products manufacturing	2	88	41	3 779	113 025	2 894	5 434	72 636	353 438	258 869	608 579	14 769
3261	Plastics product manufacturing ..	1	74	36	3 116	90 608	2 408	4 411	58 096	287 268	220 585	503 993	13 070
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	15	10	552	19 618	446	943	14 482	51 673	33 187	85 340	2 535
32619	Other plastics product manufacturing	1	45	22	2 091	58 744	1 570	2 838	35 240	205 929	159 643	361 885	7 610
326199	All other plastics product manufacturing	1	42	19	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	4	14	5	663	22 417	486	1 023	14 540	66 170	38 284	104 586	1 699
32629	Other rubber product manufacturing	4	10	5	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	4	68	23	1 430	57 243	1 091	2 260	39 419	144 201	117 384	262 161	6 635
331	Primary metal manufacturing	—	70	43	5 448	331 237	4 348	9 969	257 451	319 891	729 420	1 045 914	73 841
3314	Nonferrous metal (except aluminum) production and processing	2	17	11	g	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	9	6	f	D	D	D	D	D	D	D	D
3315	Foundries	—	34	19	3 486	238 000	2 934	7 016	197 277	75 196	269 151	342 094	28 602
33151	Ferrous metal foundries	—	9	6	g	D	D	D	D	D	D	D	D
331511	Iron foundries	—	4	2	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	25	13	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CUYAHOGA—Con.													
332	Fabricated metal product manufacturing	1	726	218	21 448	833 709	15 099	30 528	507 802	2 145 194	1 463 428	3 624 691	202 056
3321	Forging and stamping.....	—	53	26	3 957	170 061	2 643	5 343	104 854	374 382	429 977	801 724	54 897
33211	Forging and stamping.....	—	53	26	3 957	170 061	2 643	5 343	104 854	374 382	429 977	801 724	54 897
332111	Iron and steel forging	—	7	7	830	41 247	569	1 193	24 258	72 542	117 942	189 947	7 332
332112	Nonferrous forging	—	3	1	g	D	D	D	D	D	D	D	D
332116	Metal stamping	3	37	16	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	15	6	548	18 298	427	899	11 411	38 524	39 646	79 692	2 727
33221	Cutlery and handtool manufacturing	—	15	6	548	18 298	427	899	11 411	38 524	39 646	79 692	2 727
3323	Architectural and structural metals manufacturing	4	84	14	954	37 638	633	1 233	20 221	95 072	65 807	159 601	2 772
33231	Plate work and fabricated structural product manufacturing	5	35	11	592	25 257	391	767	13 013	53 103	51 377	104 341	1 884
3325	Hardware manufacturing	—	12	7	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	12	7	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	12	7	g	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	4	28	12	1 156	38 158	856	1 671	22 252	70 632	57 142	126 593	2 529
33261	Spring and wire product manufacturing	4	28	12	1 156	38 158	856	1 671	22 252	70 632	57 142	126 593	2 529
332618	Other fabricated wire product manufacturing	4	22	10	990	33 259	715	1 379	18 486	61 204	49 456	109 476	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	303	72	5 289	211 294	4 035	8 423	144 261	444 333	252 500	700 435	64 158
33271	Machine shops	2	226	38	2 385	92 248	1 762	3 410	60 144	177 772	74 671	253 560	8 330
332710	Machine shops	2	226	38	2 385	92 248	1 762	3 410	60 144	177 772	74 671	253 560	8 330
33272	Turned product and screw, nut, and bolt manufacturing	3	77	34	2 904	119 046	2 273	5 013	84 117	266 561	177 829	446 875	55 828
332721	Precision turned product manufacturing	5	48	15	1 230	45 756	1 026	2 282	35 039	122 481	58 857	183 836	12 084
332722	Bolt, nut, screw, rivet, and washer manufacturing	1	29	19	1 674	73 290	1 247	2 731	49 078	144 080	118 972	263 039	43 744
3328	Coating, engraving, heat treating, and allied activities	1	142	46	3 318	113 640	2 578	5 165	74 476	285 031	230 556	520 610	15 569
33281	Coating, engraving, heat treating, and allied activities ..	1	142	46	3 318	113 640	2 578	5 165	74 476	285 031	230 556	520 610	15 569
332811	Metal heat treating	2	31	8	549	20 322	438	880	14 213	54 294	20 712	74 399	1 900
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	34	14	1 109	43 498	791	1 642	25 379	126 072	168 319	297 077	6 366
332813	Electroplating, plating, polishing, anodizing, and coloring	—	77	24	1 660	49 820	1 349	2 643	34 884	104 665	41 525	149 134	7 303
3329	Other fabricated metal product manufacturing	—	78	29	4 445	177 109	3 042	5 921	102 268	638 498	264 551	912 333	45 601
33291	Metal valve manufacturing	—	24	11	2 309	93 150	1 417	2 689	43 257	319 045	189 471	517 803	D
332911	Industrial valve manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	7	3	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	54	18	2 136	83 959	1 625	3 232	59 011	319 453	75 080	394 530	D
332999	All other miscellaneous fabricated metal product manufacturing	—	41	14	1 844	73 567	1 394	2 753	52 196	297 412	60 757	358 209	D
333	Machinery manufacturing	2	303	106	11 655	538 375	6 803	12 565	263 519	1 301 389	805 300	2 124 975	51 513
3331	Agriculture, construction, and mining machinery manufacturing	2	8	5	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	—	'30	'15	'1 136	'53 074	'505	'851	'18 137	'105 197	'133 978	'249 514	'4 929
33322	Plastics and rubber industry machinery manufacturing	—	8	4	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	8	4	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	1	'22	'11	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
CUYAHOGA—Con.													
333 3334	Machinery manufacturing—Con. Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	12	6	821	37 761	386	846	13 961	55 392	58 619	116 425	1 616
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	12	6	821	37 761	386	846	13 961	55 392	58 619	116 425	1 616
333414	Heating equipment (except warm air furnaces) manufacturing	—	6	4	555	24 411	245	555	8 760	39 013	39 920	81 307	D
3335	Metalworking machinery manufacturing	2	153	41	3 216	142 229	2 147	4 425	86 197	212 474	120 913	346 732	10 241
33351	Metalworking machinery manufacturing	2	153	41	3 216	142 229	2 147	4 425	86 197	212 474	120 913	346 732	10 241
333511	Industrial mold manufacturing	—	37	12	832	43 531	635	1 383	31 329	71 193	21 436	94 774	2 780
333514	Special die and tool, die set, jig, and fixture manufacturing	1	61	9	834	37 011	560	1 105	21 080	54 814	33 718	87 892	4 540
333515	Cutting tool and machine tool accessory manufacturing	1	31	8	864	31 196	601	1 161	19 278	47 609	24 491	73 010	1 504
3336	Engine, turbine, and power transmission equipment manufacturing	5	14	8	1 085	46 223	586	1 267	20 865	158 780	97 337	248 746	6 274
33361	Engine, turbine, and power transmission equipment manufacturing	5	14	8	1 085	46 223	586	1 267	20 865	158 780	97 337	248 746	6 274
3339	Other general purpose machinery manufacturing	—	73	27	4 525	222 186	2 606	3 990	103 632	615 755	279 695	896 468	23 851
33392	Material handling equipment manufacturing	—	10	8	f	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	1	3	2	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	58	16	3 417	177 470	1 935	2 789	83 065	572 969	241 093	814 299	22 379
333992	Welding and soldering equipment manufacturing	—	4	2	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	99	40	4 323	197 262	1 886	3 742	63 064	489 253	522 495	1 019 147	29 714
3344	Semiconductor and other electronic component manufacturing	2	24	11	f	D	D	D	D	D	D	D	2 143
33441	Semiconductor and other electronic component manufacturing	2	24	11	f	D	D	D	D	D	D	D	2 143
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	53	24	3 445	162 260	1 398	2 808	50 270	420 683	474 254	900 693	26 974
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	53	24	3 445	162 260	1 398	2 808	50 270	420 683	474 254	900 693	26 974
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	—	14	10	g	D	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	56	29	3 681	131 049	2 328	4 015	66 209	442 157	325 880	766 463	32 414
3351	Electric lighting equipment manufacturing	—	16	8	g	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	—	14	6	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	1	5	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	1	22	11	884	31 586	566	850	16 007	146 074	83 562	226 207	2 129
33531	Electrical equipment manufacturing	1	22	11	884	31 586	566	850	16 007	146 074	83 562	226 207	2 129
3359	Other electrical equipment and component manufacturing	1	15	8	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	—	9	4	655	19 795	457	656	12 107	46 192	30 140	76 188	505
335931	Current-carrying wiring device manufacturing	—	8	3	f	D	D	D	D	D	D	D	505

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CUYAHOGA—Con.													
336	Transportation equipment manufacturing	-	102	59	18 767	823 775	15 727	24 429	632 573	1 567 898	2 305 584	3 883 957	104 217
3363	Motor vehicle parts manufacturing	-	81	47	j	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	8	1	i	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	5	1	i	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	43	32	9 406	456 636	8 081	15 009	375 321	875 525	819 403	1 695 337	53 403
336370	Motor vehicle metal stamping	-	43	32	9 406	456 636	8 081	15 009	375 321	875 525	819 403	1 695 337	53 403
3364	Aerospace product and parts manufacturing	-	12	9	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	12	9	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	83	11	1 257	35 464	1 004	1 750	24 216	53 976	41 683	96 060	1 661
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	61	5	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	-	17	5	589	18 404	505	970	14 135	17 517	10 865	28 679	D
33721	Office furniture (including fixtures) manufacturing	-	17	5	589	18 404	505	970	14 135	17 517	10 865	28 679	D
339	Miscellaneous manufacturing	2	191	49	3 969	138 307	2 463	4 646	64 581	306 617	205 961	511 463	16 906
3391	Medical equipment and supplies manufacturing	3	68	21	1 639	55 068	1 008	1 918	25 800	115 814	75 160	189 399	9 745
33911	Medical equipment and supplies manufacturing	3	68	21	1 639	55 068	1 008	1 918	25 800	115 814	75 160	189 399	9 745
339113	Surgical appliance and supplies manufacturing	5	11	6	622	19 762	377	754	9 099	39 294	40 456	76 798	3 009
3399	Other miscellaneous manufacturing	2	123	28	2 330	83 239	1 455	2 728	38 781	190 803	130 801	322 064	7 161
33995	Sign manufacturing	1	35	7	605	23 962	330	658	9 663	69 213	29 059	94 597	D
339950	Sign manufacturing	1	35	7	605	23 962	330	658	9 663	69 213	29 059	94 597	D
33999	All other miscellaneous manufacturing	1	57	15	1 343	47 180	892	1 628	22 993	97 704	77 195	178 743	5 532
339999	All other miscellaneous manufacturing	1	34	7	571	17 920	395	691	9 382	37 280	27 108	64 639	1 260
DARKE													
31-33	Manufacturing	-	81	29	5 053	171 066	3 930	7 910	116 801	551 743	586 838	1 144 633	30 092
326	Plastics and rubber products manufacturing	-	7	5	1 030	30 146	882	1 705	23 767	75 361	90 760	165 388	D
3261	Plastics product manufacturing ..	-	7	5	1 030	30 146	882	1 705	23 767	75 361	90 760	165 388	D
32619	Other plastics product manufacturing	-	4	3	856	24 421	751	1 399	20 408	56 730	61 878	118 224	D
326199	All other plastics product manufacturing	-	4	3	856	24 421	751	1 399	20 408	56 730	61 878	118 224	D
335	Electrical equipment, appliance, and component manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	f	D	D	D	D	D	D	D	2 898
3363	Motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
33639	Other motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
336399	All other motor vehicle parts manufacturing	-	4	3	650	22 804	570	1 213	18 586	56 564	77 762	134 226	D
339	Miscellaneous manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DEFIANCE													
31-33	Manufacturing	1	54	24	5 764	318 036	4 875	9 651	262 825	615 677	480 757	1 103 338	154 996
327	Nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	1	1	h	D	D	D	D	D	D	D	D
331511	Iron foundries	-	1	1	h	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	19	10	901	28 388	731	1 429	20 697	67 698	67 567	135 237	2 394
336	Transportation equipment manufacturing	9	5	3	625	30 237	532	976	24 247	79 097	68 700	147 769	D
3363	Motor vehicle parts manufacturing	9	5	3	625	30 237	532	976	24 247	79 097	68 700	147 769	D
DELAWARE													
31-33	Manufacturing	-	144	43	5 564	234 833	3 279	6 409	109 328	536 360	753 348	1 303 113	D
323	Printing and related support activities	-	13	5	507	15 708	253	519	7 366	36 755	11 332	48 118	951
3231	Printing and related support activities	-	13	5	507	15 708	253	519	7 366	36 755	11 332	48 118	951
32311	Printing	-	13	5	507	15 708	253	519	7 366	36 755	11 332	48 118	951
325	Chemical manufacturing	-	11	2	g	D	D	D	D	D	D	D	1 988
3255	Paint, coating, and adhesive manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	13	6	612	23 126	438	730	13 929	62 468	27 381	89 092	D
332	Fabricated metal product manufacturing	-	23	5	652	28 279	486	1 084	17 361	80 248	77 495	157 374	D
336	Transportation equipment manufacturing	-	7	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
ERIE													
31-33	Manufacturing	-	126	53	8 732	427 149	6 701	14 071	307 464	1 198 890	1 356 056	2 544 596	69 334
311	Food manufacturing	-	11	4	618	16 712	488	855	12 866	33 734	112 668	146 136	1 485
326	Plastics and rubber products manufacturing	-	8	6	1 529	57 889	1 126	2 427	37 933	79 826	204 055	282 537	19 163
3261	Plastics product manufacturing	-	8	6	1 529	57 889	1 126	2 427	37 933	79 826	204 055	282 537	19 163
32615	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	23	9	1 626	83 900	1 412	3 090	69 644	227 127	198 734	423 364	D
3329	Other fabricated metal product manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
332991	Ball and roller bearing 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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
ERIE—Con.													
333	Machinery manufacturing	—	13	7	974	54 685	454	1 011	18 461	111 788	101 219	208 765	4 718
3332	Industrial machinery manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing	—	2	2	f	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
33632	Motor vehicle electrical and electronic equipment manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
336321	Vehicle lighting equipment manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
FAIRFIELD													
31-33	Manufacturing	—	128	37	5 319	181 331	4 096	8 274	120 686	424 825	368 404	796 693	31 007
326	Plastics and rubber products manufacturing	—	5	3	504	14 264	385	811	9 515	19 361	23 345	42 717	D
3261	Plastics product manufacturing ..	—	5	3	504	14 264	385	811	9 515	19 361	23 345	42 717	D
32619	Other plastics product manufacturing	—	5	3	504	14 264	385	811	9 515	19 361	23 345	42 717	D
326199	All other plastics product manufacturing	—	5	3	504	14 264	385	811	9 515	19 361	23 345	42 717	D
327	Nonmetallic mineral product manufacturing	—	11	7	1 716	60 371	1 377	2 909	40 600	123 645	65 000	190 937	9 664
3272	Glass and glass product manufacturing	—	4	4	1 548	54 582	1 255	2 671	36 829	110 854	55 343	168 528	D
32721	Glass and glass product manufacturing	—	4	4	1 548	54 582	1 255	2 671	36 829	110 854	55 343	168 528	D
327212	Other pressed and blown glass and glassware manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	38	8	926	35 227	654	1 362	23 574	79 155	89 249	171 159	D
333	Machinery manufacturing	—	13	4	559	13 236	473	827	8 944	35 474	26 731	60 914	3 216
FAYETTE													
31-33	Manufacturing	1	40	24	3 065	102 478	2 570	5 562	81 635	295 045	456 805	748 329	34 184
311	Food manufacturing	—	6	4	585	16 285	489	1 074	14 088	63 645	97 742	160 582	D
326	Plastics and rubber products manufacturing	1	4	4	1 120	43 102	1 065	2 516	39 683	133 129	115 314	247 366	19 470
3262	Rubber product manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	7	8	4	732	21 266	512	912	12 933	49 430	57 432	107 096	D
FRANKLIN													
31-33	Manufacturing	1	1 039	364	45 727	1 833 854	30 317	59 473	1 067 150	6 996 698	6 342 435	13 435 788	326 307
311	Food manufacturing	—	69	31	5 339	209 828	3 465	7 362	133 575	1 536 747	810 544	2 354 201	43 232
3111	Animal food manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
311111	Dog and cat food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	36	10	1 829	62 084	981	1 750	30 193	96 166	129 891	228 039	D
31181	Bread and bakery product manufacturing	—	34	10	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	7	5	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	8	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
FRANKLIN—Con.													
312	Beverage and tobacco product manufacturing	3	10	7	h	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	3	10	7	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	7	7	6	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	7	4	4	g	D	D	D	D	D	D	D	D
31212	Breweries	—	2	1	f	D	D	D	D	D	D	D	D
312120	Breweries	—	2	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	33	10	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	16	9	656	21 227	475	899	13 808	47 077	56 856	103 422	2 945
3222	Converted paper product manufacturing	1	16	9	656	21 227	475	899	13 808	47 077	56 856	103 422	2 945
32221	Paperboard container manufacturing	—	10	8	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	164	38	2 963	109 755	2 172	4 086	70 687	228 095	130 519	357 664	19 980
3231	Printing and related support activities	2	164	38	2 963	109 755	2 172	4 086	70 687	228 095	130 519	357 664	19 980
32311	Printing	2	147	35	h	D	D	D	D	D	D	D	17 677
323110	Commercial lithographic printing	2	67	27	1 761	70 332	1 319	2 624	46 311	141 796	97 973	239 673	12 851
325	Chemical manufacturing	—	50	21	2 884	145 671	1 757	3 607	66 982	590 445	687 940	1 274 575	42 061
3254	Pharmaceutical and medicine manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	16	10	g	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	1	8	5	f	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	1	8	5	f	D	D	D	D	D	D	D	D
32552	Adhesive manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
325520	Adhesive manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	62	30	3 984	141 669	3 070	5 987	93 919	301 470	355 379	665 866	49 100
3261	Plastics product manufacturing ..	—	57	29	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	37	19	2 936	104 311	2 354	4 491	72 121	228 937	233 431	471 129	D
326199	All other plastics product manufacturing	—	33	18	2 885	101 951	2 322	4 415	70 883	225 333	231 891	465 988	D
327	Nonmetallic mineral product manufacturing	—	53	24	2 637	118 541	1 845	3 906	71 959	319 167	210 225	532 895	19 315
3272	Glass and glass product manufacturing	—	12	6	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	12	6	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	23	12	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	—	11	5	852	45 174	547	1 192	23 766	123 620	81 947	206 131	D
331	Primary metal manufacturing	—	17	7	1 538	54 627	1 178	2 285	37 160	150 187	182 013	328 411	D
3315	Foundries	—	9	3	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	—	6	3	g	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	—	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
FRANKLIN—Con.													
332	Fabricated metal product manufacturing	1	181	60	5 412	229 843	4 140	8 711	160 975	649 860	636 195	1 288 364	23 010
3321	Forging and stamping.....	—	10	7	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	10	7	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	3	41	17	930	34 885	633	1 243	21 207	78 178	66 421	145 040	D
33232	Ornamental and architectural metal products manufacturing	2	29	12	647	24 721	434	821	15 336	51 738	35 628	87 074	D
3324	Boiler, tank, and shipping container manufacturing	—	15	6	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	—	9	4	566	23 392	466	1 058	17 493	78 685	180 428	263 667	4 225
3325	Hardware manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	18	11	539	22 258	398	825	14 094	60 648	69 160	130 151	2 792
33299	All other fabricated metal product manufacturing	—	18	11	539	22 258	398	825	14 094	60 648	69 160	130 151	2 792
333	Machinery manufacturing	—	65	26	3 281	151 107	1 906	3 677	64 857	410 003	324 137	750 590	17 248
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	22	8	815	35 606	460	855	17 059	113 363	104 478	218 489	6 061
33399	All other general purpose machinery manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	49	19	h	D	D	D	D	D	D	D	14 977
3342	Communications equipment manufacturing	—	6	1	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
3344	Semiconductor and other electronic component manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	22	10	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	22	10	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	16	8	1 147	41 387	781	1 503	21 856	89 143	75 016	162 981	D
3353	Electrical equipment manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	2	35	24	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	1	6	6	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	1	6	6	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	1	6	6	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 ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
FRANKLIN—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	2	23	16	2 838	107 056	2 161	3 923	72 580	298 232	611 817	905 536	D
33636	Motor vehicle seating and interior trim manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	—	5	5	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	9	8	3	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	9	8	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	60	17	1 285	45 074	906	1 623	27 386	112 648	91 987	201 104	D
339	Miscellaneous manufacturing	1	112	26	2 840	113 775	1 698	3 629	50 712	212 267	111 775	322 842	14 134
3391	Medical equipment and supplies manufacturing	—	47	8	1 630	68 180	906	2 029	26 314	124 113	42 467	166 678	D
33911	Medical equipment and supplies manufacturing	—	47	8	1 630	68 180	906	2 029	26 314	124 113	42 467	166 678	D
339112	Surgical and medical instrument manufacturing ..	—	5	2	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	65	18	1 210	45 595	792	1 600	24 398	88 154	69 308	156 164	D
33995	Sign manufacturing	2	39	12	f	D	D	D	D	D	D	D	1 412
339950	Sign manufacturing	2	39	12	f	D	D	D	D	D	D	D	1 412
FULTON													
31-33	Manufacturing	—	111	48	9 099	294 228	6 488	14 092	195 886	1 157 011	1 226 190	2 383 432	74 275
311	Food manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	23	12	1 606	66 796	1 197	2 664	41 125	312 252	492 251	804 350	13 499
3321	Forging and stamping.....	—	3	3	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	5	g	D	D	D	D	D	D	D	8 414
3363	Motor vehicle parts manufacturing	—	8	5	g	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
337	Furniture and related product manufacturing	—	8	3	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	6	2	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
GALLIA													
31-33	Manufacturing	2	21	5	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
GEAUGA													
31-33	Manufacturing	1	223	70	9 934	362 062	7 322	15 354	223 605	956 420	816 504	1 774 810	44 288
325	Chemical manufacturing	2	17	7	637	32 372	324	690	13 438	97 422	82 277	182 112	8 335
326	Plastics and rubber products manufacturing	1	40	24	3 132	105 308	2 450	5 059	69 565	176 985	227 006	403 767	10 418
3261	Plastics product manufacturing ..	1	30	16	1 823	56 593	1 417	2 844	35 445	86 619	98 640	185 259	6 886
32619	Other plastics product manufacturing	1	22	12	1 408	44 653	1 098	2 182	27 627	74 420	80 765	155 041	5 570
326199	All other plastics product manufacturing	1	22	12	1 408	44 653	1 098	2 182	27 627	74 420	80 765	155 041	5 570
3262	Rubber product manufacturing ...	1	10	8	1 309	48 715	1 033	2 215	34 120	90 366	128 366	218 508	3 532
32629	Other rubber product manufacturing	1	10	8	1 309	48 715	1 033	2 215	34 120	90 366	128 366	218 508	3 532
326291	Rubber product manufacturing for mechanical use	3	6	5	802	26 644	671	1 356	20 348	36 477	34 571	71 043	1 180
326299	All other rubber product manufacturing	-	4	3	507	22 071	362	859	13 772	53 889	93 795	147 465	2 352
333	Machinery manufacturing	3	28	9	831	35 419	461	894	13 914	85 850	50 997	137 686	3 088
337	Furniture and related product manufacturing	-	6	1	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	6	1	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	-	5	1	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	5	1	h	D	D	D	D	D	D	D	D
GREENE													
31-33	Manufacturing	1	119	39	4 461	167 711	3 158	6 299	95 296	504 130	300 063	805 560	31 843
326	Plastics and rubber products manufacturing	-	7	5	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	6	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	26	11	810	27 617	648	1 282	19 464	67 826	28 768	96 561	6 600
336	Transportation equipment manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	1	1	f	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
GUERNSEY													
31-33	Manufacturing	-	63	27	3 257	110 904	2 646	5 153	82 562	417 436	553 103	972 300	28 525
326	Plastics and rubber products manufacturing	-	11	7	984	25 335	833	1 510	19 413	79 167	88 016	169 695	6 973
3261	Plastics product manufacturing ..	-	9	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	6	4	791	18 532	708	1 233	15 164	55 654	59 017	116 687	D
326199	All other plastics product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	10	2	565	18 933	447	847	14 246	31 064	58 582	89 440	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HAMILTON													
31-33	Manufacturing	—	1 308	457	61 807	2 759 161	40 016	78 780	1 513 068	10 288 806	8 691 192	19 018 944	984 429
311	Food manufacturing	2	95	43	7 216	245 738	5 312	10 102	166 645	1 289 633	773 135	2 061 394	88 947
3114	Fruit and vegetable preserving and specialty food manufacturing	1	7	5	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	1	17	9	1 083	36 258	907	1 922	29 628	93 768	139 960	235 210	D
31161	Animal slaughtering and processing	1	17	9	1 083	36 258	907	1 922	29 628	93 768	139 960	235 210	D
311612	Meat processed from carcasses	—	9	5	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	7	36	13	1 650	59 813	1 064	1 801	40 126	391 502	90 844	483 134	D
31181	Bread and bakery product manufacturing	1	33	11	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	11	5	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	2	20	8	g	D	D	D	D	D	D	D	12 116
31194	Seasoning and dressing manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	6	11	3	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	—	8	1	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
314	Textile product mills	—	27	10	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	35	21	2 389	99 192	1 742	3 647	57 860	258 293	295 347	555 106	21 833
3222	Converted paper product manufacturing	—	32	18	2 187	90 274	1 596	3 346	52 431	225 867	279 860	507 013	D
32221	Paperboard container manufacturing	—	17	12	1 517	67 104	1 114	2 374	38 975	177 179	224 487	403 345	D
322211	Corrugated and solid fiber box manufacturing	—	8	6	f	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	—	6	4	676	29 450	541	1 164	19 704	75 012	90 815	165 679	D
32229	Other converted paper product manufacturing	—	7	4	f	D	D	D	D	D	D	D	7 932
322299	All other converted paper product manufacturing	—	7	4	f	D	D	D	D	D	D	D	7 932
323	Printing and related support activities	—	227	61	5 519	201 944	3 925	7 666	128 128	456 094	258 299	717 965	33 143
3231	Printing and related support activities	—	227	61	5 519	201 944	3 925	7 666	128 128	456 094	258 299	717 965	33 143
32311	Printing	1	198	50	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	81	26	3 188	110 683	2 261	4 439	73 049	253 924	135 325	392 240	19 224
32312	Support activities for printing ...	—	29	11	f	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	—	25	4	f	D	D	D	D	D	D	D	10 931
3241	Petroleum and coal products manufacturing	—	25	4	f	D	D	D	D	D	D	D	10 931
32419	Other petroleum and coal products manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	—	5	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HAMILTON—Con.													
325	Chemical manufacturing	—	85	43	6 276	335 322	3 776	7 887	189 324	2 146 450	1 474 013	3 608 561	382 198
3251	Basic chemical manufacturing ...	1	21	11	g	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	2	4	3	f	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing ...	2	3	3	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	1	8	6	1 078	63 228	722	1 506	39 716	208 168	361 629	577 241	13 129
325199	All other basic organic chemical manufacturing....	1	6	5	g	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	1	20	10	798	36 704	423	813	15 459	167 227	166 046	333 066	9 613
32551	Paint and coating manufacturing	1	13	8	553	26 102	255	536	9 531	108 227	116 468	224 769	D
325510	Paint and coating manufacturing	1	13	8	553	26 102	255	536	9 531	108 227	116 468	224 769	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	17	10	2 007	111 128	1 273	2 562	66 940	1 399 918	494 522	1 872 117	D
32561	Soap and cleaning compound manufacturing	—	14	7	g	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	—	16	7	612	27 897	268	455	11 421	101 636	86 454	190 180	D
326	Plastics and rubber products manufacturing	1	51	27	3 219	104 524	2 286	4 437	69 498	296 112	180 224	484 487	D
3261	Plastics product manufacturing ..	1	44	25	3 097	101 067	2 206	4 287	67 664	288 071	174 908	471 474	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	3	6	4	f	D	D	D	D	D	D	D	2 435
326111	Plastics bag manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	25	15	1 250	43 452	928	1 841	24 849	100 199	55 524	156 454	3 712
326199	All other plastics product manufacturing	1	25	15	1 250	43 452	928	1 841	24 849	100 199	55 524	156 454	3 712
327	Nonmetallic mineral product manufacturing	1	38	18	871	31 300	602	1 201	16 733	89 731	75 741	164 874	D
331	Primary metal manufacturing	1	20	12	g	D	D	D	D	D	D	D	3 468
3315	Foundries	2	17	10	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries.....	3	6	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	254	82	9 381	358 595	7 217	13 198	243 056	667 454	512 493	1 185 392	24 152
3323	Architectural and structural metals manufacturing	1	44	19	2 243	82 156	1 668	3 112	51 024	144 656	178 600	323 015	3 930
33231	Plate work and fabricated structural product manufacturing	3	21	7	501	20 051	340	678	10 520	57 933	49 926	107 782	1 514
33232	Ornamental and architectural metal products manufacturing	1	23	12	1 742	62 105	1 328	2 434	40 504	86 723	128 674	215 233	2 416
332321	Metal window and door manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	14	5	585	20 882	455	839	14 390	32 348	34 184	67 343	D
3324	Boiler, tank, and shipping container manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	2	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
HAMILTON—Con.														
332	Fabricated metal product manufacturing—Con.													
3326	Spring and wire product manufacturing	—	5	3	f	D	D	D	D	D	D	D	D	
33261	Spring and wire product manufacturing	—	5	3	f	D	D	D	D	D	D	D	D	
332618	Other fabricated wire product manufacturing	—	5	3	f	D	D	D	D	D	D	D	D	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	102	23		2 039	85 532	1 501	3 147	56 226	182 634	83 780	268 321	8 344
33271	Machine shops	3	90	16		1 443	60 473	1 065	2 233	40 083	124 249	47 863	175 466	6 983
332710	Machine shops	3	90	16		1 443	60 473	1 065	2 233	40 083	124 249	47 863	175 466	6 983
33272	Turned product and screw, nut, and bolt manufacturing	—	12	7		596	25 059	436	914	16 143	58 385	35 917	92 855	1 361
3328	Coating, engraving, heat treating, and allied activities	2	40	16	f	D	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	2	40	16	f	D	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	1	32	12		1 268	47 568	846	1 675	25 207	101 852	82 815	180 641	4 648
33291	Metal valve manufacturing	1	9	6	f	D	D	D	D	D	D	D	D	D
332911	Industrial valve manufacturing	—	4	3		540	20 947	282	579	8 072	39 364	48 305	88 916	1 160
333	Machinery manufacturing	1	120	44		5 555	248 885	2 950	5 337	105 059	432 953	450 653	902 246	30 973
3332	Industrial machinery manufacturing	1	16	8		683	30 805	367	777	14 941	55 668	84 016	139 031	D
33329	Other industrial machinery manufacturing	1	15	8	f	D	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	—	10	6		557	25 236	299	647	12 916	44 505	71 134	115 169	D
3335	Metalworking machinery manufacturing	—	42	12		2 193	107 876	1 054	1 743	46 557	118 248	111 293	248 888	D
33351	Metalworking machinery manufacturing	—	42	12		2 193	107 876	1 054	1 743	46 557	118 248	111 293	248 888	D
333512	Machine tool (metal cutting types) manufacturing	—	5	3	f	D	D	D	D	D	D	D	D	D
333513	Machine tool (metal forming types) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	30	11		1 727	73 701	873	1 394	23 821	159 131	177 426	337 536	D
33391	Pump and compressor manufacturing	—	6	4	f	D	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	16	4		902	42 839	449	629	14 547	64 039	86 816	150 572	D
333991	Power-driven handtool manufacturing	—	2	2	f	D	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	38	14		1 386	62 579	581	1 103	16 501	253 288	103 641	360 780	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	16	6		865	46 520	215	424	8 028	223 442	83 490	310 250	1 372
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	16	6		865	46 520	215	424	8 028	223 442	83 490	310 250	1 372
335	Electrical equipment, appliance, and component manufacturing	—	24	13		2 375	89 971	1 422	2 622	43 184	317 910	217 938	537 395	6 337
3352	Household appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	f	D	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	—	2	2	f	D	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	13	4		559	23 901	360	731	13 273	61 042	32 519	95 187	D
33531	Electrical equipment manufacturing	—	13	4		559	23 901	360	731	13 273	61 042	32 519	95 187	D
3359	Other electrical equipment and component manufacturing	—	6	5		712	29 458	366	560	12 556	86 026	45 143	131 092	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HAMILTON—Con.													
336	Transportation equipment manufacturing	-	28	10	i	D	D	D	D	D	D	D	341 726
3363	Motor vehicle parts manufacturing	-	13	3	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	10	5	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	10	5	i	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	7	5	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	63	15	1 134	34 130	812	1 523	21 399	88 142	57 762	145 644	5 247
3372	Office furniture (including fixtures) manufacturing	1	25	11	651	21 714	475	876	12 246	46 900	26 381	72 925	D
33721	Office furniture (including fixtures) manufacturing	1	25	11	651	21 714	475	876	12 246	46 900	26 381	72 925	D
339	Miscellaneous manufacturing	1	123	22	2 498	87 325	1 737	3 361	48 476	249 239	162 265	412 887	7 662
3391	Medical equipment and supplies manufacturing	1	34	8	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	1	34	8	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	89	14	g	D	D	D	D	D	D	D	D
33995	Sign manufacturing	-	36	7	f	D	D	D	D	D	D	D	763
339950	Sign manufacturing	-	36	7	f	D	D	D	D	D	D	D	763
33999	All other miscellaneous manufacturing	-	33	5	f	D	D	D	D	D	D	D	D
HANCOCK													
31-33	Manufacturing	-	99	44	12 406	470 183	9 579	19 442	324 695	1 439 857	1 560 080	3 013 234	113 635
311	Food manufacturing	-	10	3	1 621	49 360	1 507	3 583	42 615	183 883	242 543	426 035	3 806
3118	Bakeries and tortilla manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	15	13	3 260	157 315	1 851	3 270	76 685	313 677	259 219	580 698	18 203
3261	Plastics product manufacturing ..	-	10	9	921	27 579	695	1 280	20 153	98 697	99 720	198 715	D
3262	Rubber product manufacturing ...	-	5	4	2 339	129 736	1 156	1 990	56 532	214 980	159 499	381 983	D
32621	Tire manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	8	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	2	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
335228	Other major household appliance manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	18	13	3 617	106 952	2 962	5 592	81 400	303 479	509 329	806 632	46 954

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HANCOCK—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing	-	15	11	h	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	-	1	1	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
336370	Motor vehicle metal stamping	-	3	3	743	26 593	624	1 005	19 452	98 944	99 182	197 270	D
33639	Other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
336399	All other motor vehicle parts manufacturing	-	4	4	748	23 745	580	1 125	15 928	62 669	61 916	124 084	13 375
HARDIN													
31-33	Manufacturing	2	41	22	2 234	84 123	1 783	3 454	57 595	229 819	215 151	445 094	95 202
336	Transportation equipment manufacturing	1	4	4	763	29 922	584	1 204	19 729	83 809	94 277	178 427	D
3363	Motor vehicle parts manufacturing	1	3	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
HARRISON													
31-33	Manufacturing	-	20	7	738	19 516	506	850	13 119	47 854	78 262	128 198	4 648
HENRY													
31-33	Manufacturing	-	50	21	3 703	132 999	3 034	6 096	98 882	1 140 575	635 922	1 778 241	52 834
311	Food manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	-	2	2	g	D	D	D	D	D	D	D	D
311422	Specialty canning	-	1	1	g	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	-	4	3	f	D	D	D	D	D	D	D	D
HIGHLAND													
31-33	Manufacturing	-	44	18	3 504	103 429	2 968	5 834	72 335	323 711	324 188	643 914	25 868
326	Plastics and rubber products manufacturing	-	4	3	644	18 713	520	806	11 112	57 127	46 333	100 384	2 970
3261	Plastics product manufacturing ..	-	4	3	644	18 713	520	806	11 112	57 127	46 333	100 384	2 970
335	Electrical equipment, appliance, and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	1	1	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	-	3	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
HOCKING													
31-33	Manufacturing	2	31	13	1 424	46 062	1 228	2 383	37 220	133 794	105 218	238 359	8 625

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HOLMES													
31-33	Manufacturing	1	206	53	5 237	146 632	4 406	8 895	112 429	474 041	512 506	983 975	26 706
311	Food manufacturing	—	18	7	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	'59	13	'769	'20 290	'675	'1 378	'16 777	'54 415	'78 715	'131 004	'5 049
3219	Other wood product manufacturing	1	'39	12	'650	'16 816	'569	'1 179	'13 880	'46 999	'60 216	'105 169	'4 429
326	Plastics and rubber products manufacturing	—	14	9	1 312	37 814	1 127	2 257	30 097	182 186	114 579	297 599	5 163
3262	Rubber product manufacturing	—	7	6	939	26 139	844	1 733	22 701	75 128	70 460	145 872	D
32629	Other rubber product manufacturing	—	7	6	939	26 139	844	1 733	22 701	75 128	70 460	145 872	D
326299	All other rubber product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	'19	7	'1 044	'31 966	'884	'1 813	'23 913	'109 754	'114 232	'223 788	D
3323	Architectural and structural metals manufacturing	—	'6	4	f	D	D	D	D	D	D	D	'9 627
33232	Ornamental and architectural metal products manufacturing	—	'5	3	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	'65	'10	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	'59	'9	f	D	D	D	D	D	D	D	D
HURON													
31-33	Manufacturing	—	106	48	8 553	300 844	7 044	13 833	223 265	1 028 262	982 486	2 008 452	30 482
311	Food manufacturing	—	4	3	809	32 157	641	1 043	24 287	277 276	322 842	601 075	5 318
3118	Bakeries and tortilla manufacturing	—	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
323	Printing and related support activities	—	7	1	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	—	7	1	g	D	D	D	D	D	D	D	D
32311	Printing	—	7	1	g	D	D	D	D	D	D	D	D
323117	Books printing	—	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	13	8	888	27 571	752	1 690	20 518	67 706	57 657	125 390	6 597
3261	Plastics product manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	8	4	660	19 656	574	1 319	15 041	53 471	44 246	97 900	6 301
326199	All other plastics product manufacturing	—	8	4	660	19 656	574	1 319	15 041	53 471	44 246	97 900	6 301
332	Fabricated metal product manufacturing	1	24	7	716	25 086	547	1 180	16 557	50 075	29 985	79 397	2 655
333	Machinery manufacturing	—	12	5	1 428	54 004	1 175	2 055	40 481	212 963	269 043	474 507	4 759
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
337	Furniture and related product manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	5	9	5	617	15 217	516	995	10 337	33 237	34 767	77 429	2 031
3391	Medical equipment and supplies manufacturing	5	4	4	572	13 944	479	916	9 655	30 199	33 401	73 040	2 008
33911	Medical equipment and supplies manufacturing	5	4	4	572	13 944	479	916	9 655	30 199	33 401	73 040	2 008

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
JACKSON													
31-33	Manufacturing	-	37	17	3 296	92 389	2 842	5 972	71 506	621 778	353 884	977 522	D
311	Food manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
JEFFERSON													
31-33	Manufacturing	-	42	14	3 344	143 732	2 715	5 160	110 951	437 634	683 202	1 120 856	9 946
331	Primary metal manufacturing	-	4	4	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
KNOX													
31-33	Manufacturing	-	75	31	4 373	181 905	3 044	5 687	98 932	423 306	716 146	1 119 835	48 094
333	Machinery manufacturing	-	5	4	g	D	D	D	D	D	D	D	8 184
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
333611	Turbine and turbine generator set units manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	919	31 688	745	1 458	22 147	108 696	274 486	385 280	15 869
3363	Motor vehicle parts manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
LAKE													
31-33	Manufacturing	1	735	232	22 002	877 268	14 936	30 267	495 898	2 390 248	1 640 144	4 050 816	144 851
322	Paper manufacturing	-	7	6	1 062	59 531	682	1 571	35 202	229 515	221 054	448 793	4 233
3222	Converted paper product manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	4	43	7	f	D	D	D	D	D	D	D	5 085
3231	Printing and related support activities	4	43	7	f	D	D	D	D	D	D	D	5 085
32311	Printing	4	42	7	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	19	12	775	35 369	501	1 066	19 338	235 063	200 773	435 791	6 778
326	Plastics and rubber products manufacturing	1	41	19	1 562	49 295	1 199	2 428	30 550	120 014	91 157	210 566	6 485
3261	Plastics product manufacturing ..	1	31	16	1 351	42 903	1 048	2 114	26 129	105 542	81 551	186 916	D
32619	Other plastics product manufacturing	2	21	9	950	30 984	749	1 515	18 721	81 299	62 796	143 166	D
326199	All other plastics product manufacturing	2	20	9	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	17	11	g	D	D	D	D	D	D	D	D
3315	Foundries	1	9	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	2	5	4	f	D	D	D	D	D	D	D	D
331512	Steel investment foundries ..	2	4	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

[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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LAKE—Con.													
332	Fabricated metal product manufacturing	1	300	82	6 182	239 190	4 583	9 333	152 700	523 653	289 332	839 156	47 717
3321	Forging and stamping.....	1	19	15	903	33 152	704	1 548	21 339	68 294	52 587	121 441	3 587
33211	Forging and stamping.....	1	19	15	903	33 152	704	1 548	21 339	68 294	52 587	121 441	3 587
332116	Metal stamping	-	11	9	699	24 064	556	1 204	16 337	44 875	34 931	80 462	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	192	37	2 843	106 086	2 262	4 526	73 964	212 485	105 934	314 610	7 282
33271	Machine shops	2	156	20	1 495	54 566	1 166	2 334	38 165	105 878	52 251	154 572	D
332710	Machine shops	2	156	20	1 495	54 566	1 166	2 334	38 165	105 878	52 251	154 572	D
33272	Turned product and screw, nut, and bolt manufacturing	2	36	17	1 348	51 520	1 096	2 192	35 799	106 607	53 683	160 038	D
332721	Precision turned product manufacturing	2	31	17	1 323	50 545	1 075	2 154	35 147	104 948	52 643	157 336	3 018
3329	Other fabricated metal product manufacturing	-	39	20	1 797	77 792	1 140	2 356	43 153	198 670	101 120	328 759	34 663
33291	Metal valve manufacturing	-	18	11	1 332	60 854	804	1 663	32 003	173 217	81 160	283 527	D
332911	Industrial valve manufacturing	-	8	6	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	9	4	720	35 351	355	714	14 043	118 882	60 061	205 268	10 107
333	Machinery manufacturing	2	113	28	2 355	100 724	1 532	3 033	53 098	177 376	170 259	357 683	12 361
3335	Metalworking machinery manufacturing	2	57	10	778	33 512	557	1 076	21 455	65 176	29 003	94 347	3 894
33351	Metalworking machinery manufacturing	2	57	10	778	33 512	557	1 076	21 455	65 176	29 003	94 347	3 894
3339	Other general purpose machinery manufacturing	1	30	8	715	34 690	435	896	15 697	39 183	90 941	138 944	4 805
33399	All other general purpose machinery manufacturing	1	19	4	f	D	D	D	D	D	D	D	4 608
334	Computer and electronic product manufacturing	-	21	15	2 426	101 887	1 020	1 835	29 335	235 178	132 285	370 010	7 282
3344	Semiconductor and other electronic component manufacturing	-	13	8	781	20 064	588	959	11 053	43 814	47 049	91 983	D
33441	Semiconductor and other electronic component manufacturing	-	13	8	781	20 064	588	959	11 053	43 814	47 049	91 983	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	5	4	1 517	77 102	395	806	16 831	182 268	72 109	255 714	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	5	4	1 517	77 102	395	806	16 831	182 268	72 109	255 714	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	-	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing.....	5	25	12	960	30 636	744	1 587	19 330	63 649	60 930	122 642	D
336	Transportation equipment manufacturing	1	26	13	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	47	15	2 449	92 156	1 537	3 009	40 646	294 515	104 746	384 151	16 859
3391	Medical equipment and supplies manufacturing	-	14	4	1 071	49 984	451	964	12 758	184 623	54 991	238 300	D
33911	Medical equipment and supplies manufacturing	-	14	4	1 071	49 984	451	964	12 758	184 623	54 991	238 300	D
339113	Surgical appliance and supplies manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	1	33	11	1 378	42 172	1 086	2 045	27 888	109 892	49 755	145 851	D
33999	All other miscellaneous manufacturing	1	26	8	1 018	31 542	836	1 596	22 284	86 035	33 559	103 784	D
LAWRENCE													
31-33	Manufacturing	-	39	5	773	23 908	621	1 196	18 272	64 486	232 086	297 082	8 959

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LICKING													
31-33	Manufacturing	1	158	57	7 774	264 621	6 351	12 362	188 527	1 122 231	911 645	2 039 040	62 041
326	Plastics and rubber products manufacturing	-	9	6	851	30 590	670	1 426	21 011	92 489	84 699	178 613	D
3261	Plastics product manufacturing ..	-	7	5	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	13	7	1 422	44 107	1 369	2 606	40 381	287 911	104 669	390 301	27 617
3279	Other nonmetallic mineral product manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing .	-	3	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	37	10	1 133	30 552	962	1 783	21 673	64 862	62 095	126 816	6 179
3328	Coating, engraving, heat treating, and allied activities	-	2	2	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	2	2	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	-	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	8	6	5	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	8	5	4	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	8	5	4	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing	9	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
LOGAN													
31-33	Manufacturing	-	55	21	6 188	297 801	4 767	9 110	214 894	1 760 650	2 458 999	4 212 406	64 048
326	Plastics and rubber products manufacturing	1	7	5	501	15 031	398	819	9 778	39 034	33 182	71 634	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	-	6	5	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
3363	Motor vehicle parts manufacturing	-	3	3	g	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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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LORAIN													
31-33	Manufacturing	-	432	149	24 409	1 050 222	18 501	36 867	747 673	2 884 019	4 536 539	7 456 934	190 229
325	Chemical manufacturing	1	11	7	1 380	50 045	1 103	1 338	31 748	236 325	237 003	480 112	19 304
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	31	19	1 551	49 827	1 220	2 230	34 574	125 944	96 414	221 433	4 849
3261	Plastics product manufacturing ..	4	25	13	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	4	16	8	635	21 025	507	790	13 728	57 478	34 857	90 011	D
326199	All other plastics product manufacturing	4	15	8	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	6	6	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	6	6	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	6	6	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	19	11	3 842	186 061	2 935	6 786	155 358	202 204	496 887	716 613	59 029
3311	Iron and steel mills and ferroalloy manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	1	1	h	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
3315	Foundries	1	14	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	135	46	3 866	137 051	2 944	5 823	90 822	284 295	176 941	457 262	31 921
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4	59	16	1 616	56 064	1 257	2 494	37 954	125 166	66 408	188 212	16 114
33271	Machine shops	2	41	7	505	17 395	385	743	11 801	35 258	21 179	56 412	2 252
332710	Machine shops	2	41	7	505	17 395	385	743	11 801	35 258	21 179	56 412	2 252
33272	Turned product and screw, nut, and bolt manufacturing	5	18	9	1 111	38 669	872	1 751	26 153	89 908	45 229	131 800	13 862
332721	Precision turned product manufacturing	3	13	7	860	28 370	673	1 322	19 209	62 402	28 786	91 423	D
3329	Other fabricated metal product manufacturing	-	20	9	1 077	41 016	767	1 461	24 325	75 635	51 899	127 250	D
33291	Metal valve manufacturing	-	5	5	566	22 778	360	678	12 115	42 439	31 924	73 677	D
33299	All other fabricated metal product manufacturing	1	15	4	511	18 238	407	783	12 210	33 196	19 975	53 573	D
333	Machinery manufacturing	-	53	14	2 833	124 412	1 505	2 926	52 955	368 125	242 632	623 825	11 673
3335	Metalworking machinery manufacturing	-	27	5	974	43 275	558	1 000	20 566	144 145	115 982	264 743	4 436
33351	Metalworking machinery manufacturing	-	27	5	974	43 275	558	1 000	20 566	144 145	115 982	264 743	4 436
333512	Machine tool (metal cutting types) manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	11	4	1 048	51 651	360	740	15 671	92 761	67 755	167 431	D
33399	All other general purpose machinery manufacturing	-	11	4	1 048	51 651	360	740	15 671	92 761	67 755	167 431	D
333993	Packaging machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LORAIN—Con.													
336	Transportation equipment manufacturing	-	20	13	6 507	356 770	5 553	11 500	292 443	1 188 791	2 862 643	4 057 385	29 866
3361	Motor vehicle manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	12	9	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	6	4	558	25 119	416	977	15 893	49 418	70 056	117 853	D
336370	Motor vehicle metal stamping	-	6	4	558	25 119	416	977	15 893	49 418	70 056	117 853	D
339	Miscellaneous manufacturing	-	32	11	2 163	70 900	1 549	3 016	43 323	262 228	164 505	427 258	10 493
3391	Medical equipment and supplies manufacturing	-	16	6	1 914	63 752	1 362	2 643	39 087	248 688	149 669	399 203	D
33911	Medical equipment and supplies manufacturing	-	16	6	1 914	63 752	1 362	2 643	39 087	248 688	149 669	399 203	D
339113	Surgical appliance and supplies manufacturing	-	8	5	g	D	D	D	D	D	D	D	D
LUCAS													
31-33	Manufacturing	-	615	207	31 172	1 615 838	25 217	49 289	1 257 735	3 724 116	9 977 984	13 642 620	189 999
311	Food manufacturing	-	29	7	1 278	54 921	992	1 934	39 190	532 034	283 539	815 429	D
3112	Grain and oilseed milling	-	2	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
313	Textile mills	-	3	2	f	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	-	2	2	f	D	D	D	D	D	D	D	D
31332	Fabric coating mills	-	2	2	f	D	D	D	D	D	D	D	D
313320	Fabric coating mills	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	72	15	1 137	39 759	721	1 438	21 548	85 568	56 872	142 217	D
3231	Printing and related support activities	2	72	15	1 137	39 759	721	1 438	21 548	85 568	56 872	142 217	D
32311	Printing	2	64	12	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	3	30	6	513	20 741	339	701	11 815	45 852	33 828	79 392	D
324	Petroleum and coal products manufacturing	-	9	2	g	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	9	2	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
325	Chemical manufacturing	-	27	15	1 520	74 463	829	1 510	30 881	246 260	267 469	526 476	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	7	4	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	7	4	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	-	6	4	780	40 072	367	632	11 329	110 091	81 139	190 235	D
326	Plastics and rubber products manufacturing	4	25	14	608	19 623	451	905	11 518	49 076	40 945	90 365	D
327	Nonmetallic mineral product manufacturing	-	27	11	g	D	D	D	D	D	D	D	12 797
3272	Glass and glass product manufacturing	-	8	4	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	8	4	g	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	-	5	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]

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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
LUCAS—Con.													
332	Fabricated metal product manufacturing	3	142	47	3 330	122 386	2 589	5 151	83 130	428 424	192 646	612 268	17 794
3323	Architectural and structural metals manufacturing	6	17	6	503	17 361	388	664	11 925	31 900	27 182	59 459	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	59	13	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	52	10	f	D	D	D	D	D	D	D	D
332710	Machine shops	1	52	10	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	—	26	12	676	23 486	560	1 126	17 171	79 028	30 816	104 332	1 217
33281	Coating, engraving, heat treating, and allied activities ..	—	26	12	676	23 486	560	1 126	17 171	79 028	30 816	104 332	1 217
333	Machinery manufacturing	2	82	27	1 724	78 802	1 107	2 204	41 929	183 619	92 905	278 136	8 431
3335	Metalworking machinery manufacturing	2	40	15	817	37 368	611	1 298	26 114	71 793	31 022	104 430	3 462
33351	Metalworking machinery manufacturing	2	40	15	817	37 368	611	1 298	26 114	71 793	31 022	104 430	3 462
336	Transportation equipment manufacturing	—	31	22	14 645	931 782	13 257	25 453	830 580	1 259 019	5 527 832	6 833 385	D
3361	Motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	21	17	i	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	2	8	7	2 341	84 654	2 052	2 180	65 953	205 347	194 386	396 800	8 058
336370	Motor vehicle metal stamping	2	8	7	2 341	84 654	2 052	2 180	65 953	205 347	194 386	396 800	8 058
339	Miscellaneous manufacturing	3	53	10	752	25 010	502	920	12 964	52 442	24 225	80 268	1 714
MADISON													
31-33	Manufacturing	—	49	24	h	D	D	D	D	D	D	D	78 416
332	Fabricated metal product manufacturing	—	10	4	596	21 753	371	620	10 232	46 651	30 929	82 856	4 904
336	Transportation equipment manufacturing	—	6	5	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	4	4	g	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
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
MAHONING													
31-33	Manufacturing	1	398	121	10 115	354 850	7 427	14 347	223 799	942 642	785 623	1 733 629	52 216
311	Food manufacturing	2	24	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	31	11	780	24 467	553	989	15 577	51 786	64 090	116 249	3 005
3261	Plastics product manufacturing ..	1	23	8	638	20 848	433	833	13 255	45 239	59 545	105 166	D
32619	Other plastics product manufacturing	—	15	6	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	19	15	1 801	68 406	1 508	3 064	51 261	206 435	349 609	565 053	18 298
3311	Iron and steel mills and ferroalloy manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	3	2	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	9	7	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ..	1	9	7	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	1	8	6	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MAHONING—Con.													
332	Fabricated metal product manufacturing	1	101	31	1 898	64 256	1 343	2 575	39 479	135 549	97 410	231 288	4 294
333	Machinery manufacturing	1	58	16	g	D	D	D	D	D	D	D	10 089
3335	Metalworking machinery manufacturing	—	33	11	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	—	33	11	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	14	3	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	12	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
MARION													
31-33	Manufacturing	—	87	39	7 166	254 481	5 771	11 815	194 657	1 082 747	1 475 855	2 563 427	54 399
311	Food manufacturing	—	9	5	951	34 327	757	1 595	25 478	173 330	427 537	602 420	21 655
3119	Other food manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	4	4	640	21 821	547	1 116	16 703	80 113	102 321	183 254	2 337
3222	Converted paper product manufacturing	—	4	4	640	21 821	547	1 116	16 703	80 113	102 321	183 254	2 337
326	Plastics and rubber products manufacturing	—	4	3	562	14 825	456	875	9 825	46 685	24 578	70 725	9 280
331	Primary metal manufacturing	—	5	2	512	21 193	384	781	14 494	64 790	70 024	129 654	2 559
332	Fabricated metal product manufacturing	—	26	8	634	19 705	346	642	13 394	52 385	35 211	86 500	3 973
335	Electrical equipment, appliance, and component manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	h	D	D	D	D	D	D	D	D
MEDINA													
31-33	Manufacturing	1	294	114	9 537	362 861	7 004	14 188	227 302	793 574	954 202	1 747 903	66 903
323	Printing and related support activities	—	19	6	571	24 246	450	963	16 705	56 726	39 570	96 277	10 537
3231	Printing and related support activities	—	19	6	571	24 246	450	963	16 705	56 726	39 570	96 277	10 537
325	Chemical manufacturing	—	18	9	750	31 620	460	943	15 900	75 011	86 090	160 121	2 940
326	Plastics and rubber products manufacturing	1	'24	14	'1 285	'42 452	'1 066	'2 145	'31 230	'59 883	'122 654	'184 245	'11 817
3261	Plastics product manufacturing ..	1	'13	8	f	D	D	D	D	D	D	D	'10 716
327	Nonmetallic mineral product manufacturing	3	15	7	541	23 629	296	635	11 240	68 474	56 079	124 379	3 516
332	Fabricated metal product manufacturing	2	69	26	1 937	72 209	1 463	2 939	48 069	143 684	120 265	260 485	11 986
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	30	6	682	28 652	524	1 156	20 736	41 095	49 084	88 738	5 894
333	Machinery manufacturing	2	'41	13	'801	'33 000	'551	'1 106	'19 305	'80 273	'71 496	'152 240	'4 948
336	Transportation equipment manufacturing	—	10	6	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	8	5	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	6	4	942	34 830	805	1 771	27 456	69 833	64 892	134 515	D
336370	Motor vehicle metal stamping	—	6	4	942	34 830	805	1 771	27 456	69 833	64 892	134 515	D
339	Miscellaneous manufacturing	2	24	8	548	17 756	363	706	8 371	42 350	37 717	80 474	1 650

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MERCER													
31-33	Manufacturing	2	69	26	3 250	112 743	2 671	5 328	81 949	337 868	286 617	622 622	31 970
311	Food manufacturing	1	9	4	610	19 734	537	1 204	16 112	49 578	78 639	127 953	2 507
331	Primary metal manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3315	Foundries	—	4	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	4	3	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	—	2	2	f	D	D	D	D	D	D	D	D
MIAMI													
31-33	Manufacturing	—	256	97	13 108	505 756	8 750	18 053	297 660	1 358 190	1 499 358	2 856 806	101 593
311	Food manufacturing	—	10	5	513	16 752	373	811	9 397	60 273	84 209	144 038	D
326	Plastics and rubber products manufacturing	2	22	12	1 309	40 957	1 018	2 077	26 456	113 977	98 643	212 912	D
3261	Plastics product manufacturing ..	3	21	11	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	14	9	1 283	53 336	1 012	2 178	37 808	126 764	169 735	287 014	3 281
3312	Steel product manufacturing from purchased steel	—	3	3	761	31 968	589	1 239	21 737	87 707	128 156	208 325	2 389
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	4	77	14	1 016	37 798	750	1 412	24 842	64 119	34 808	102 490	3 740
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4	48	7	f	D	D	D	D	D	D	D	D
33271	Machine shops	5	44	6	637	25 356	466	891	17 019	44 373	20 038	63 212	D
332710	Machine shops	5	44	6	637	25 356	466	891	17 019	44 373	20 038	63 212	D
333	Machinery manufacturing	—	47	20	2 297	84 379	1 381	2 748	44 457	195 714	217 088	423 231	D
3339	Other general purpose machinery manufacturing	—	9	6	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	—	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	9	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	6	3	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	6	3	g	D	D	D	D	D	D	D	D
334411	Electron tube manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	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.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	MIAMI—Con.												
337	Furniture and related product manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
	MONROE												
31-33	Manufacturing	1	15	4	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	3	3	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	3	3	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	1	3	3	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	1	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
	MONTGOMERY												
31-33	Manufacturing	—	900	314	44 277	1 867 555	33 213	65 715	1 278 076	8 410 079	8 725 510	17 139 041	301 412
311	Food manufacturing	2	37	8	1 045	40 460	570	1 161	21 395	124 511	175 197	298 724	D
321	Wood product manufacturing	—	17	8	f	D	D	D	D	D	D	D	1 584
322	Paper manufacturing	—	14	8	f	D	D	D	D	D	D	D	10 240
3222	Converted paper product manufacturing	—	13	7	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	106	25	2 854	119 179	1 647	3 287	58 134	263 334	166 994	431 057	D
3231	Printing and related support activities	2	106	25	2 854	119 179	1 647	3 287	58 134	263 334	166 994	431 057	D
32311	Printing	2	92	22	2 671	110 641	1 514	3 031	52 717	243 249	162 815	406 726	D
323110	Commercial lithographic printing	1	39	12	968	38 572	638	1 310	22 351	69 222	59 526	129 123	D
323112	Commercial flexographic printing	—	4	3	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	26	13	947	40 268	592	1 090	20 317	134 675	106 438	237 925	D
326	Plastics and rubber products manufacturing	3	46	25	4 712	150 308	3 685	7 449	105 751	460 280	274 050	729 356	29 441
3261	Plastics product manufacturing ..	2	30	16	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	25	14	1 973	58 357	1 375	2 812	34 186	140 130	88 901	228 326	22 300
326199	All other plastics product manufacturing	2	24	14	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	4	16	9	h	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	4	13	8	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	4	12	8	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	254	82	6 470	256 558	4 587	9 313	154 667	515 760	281 340	798 850	18 640
3321	Forging and stamping.....	—	13	9	g	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	13	9	g	D	D	D	D	D	D	D	D
332116	Metal stamping	1	9	5	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	9	7	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	1	34	11	729	28 349	461	921	14 197	65 140	38 515	103 347	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	127	29	1 911	68 942	1 523	2 970	51 289	137 700	59 311	196 659	6 618
33271	Machine shops	1	99	19	1 280	42 801	1 011	1 873	31 268	87 937	40 846	127 246	D
332710	Machine shops	1	99	19	1 280	42 801	1 011	1 873	31 268	87 937	40 846	127 246	D
33272	Turned product and screw, nut, and bolt manufacturing	—	28	10	631	26 141	512	1 097	20 021	49 763	18 465	69 413	D
332721	Precision turned product manufacturing	—	24	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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MONTGOMERY—Con.													
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	-	38	14	g	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	38	14	g	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	-	23	7	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	1	25	6	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	1	22	5	f	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	154	66	7 271	323 628	4 821	9 770	187 403	672 053	863 492	1 551 328	98 411
3332	Industrial machinery manufacturing	4	15	7	938	38 487	518	1 131	16 709	55 956	91 511	150 419	D
33329	Other industrial machinery manufacturing	4	12	6	821	34 305	482	1 060	14 615	50 670	89 667	143 187	D
333298	All other industrial machinery manufacturing	6	8	4	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	100	40	3 316	151 111	2 310	4 561	97 229	278 943	165 319	448 227	D
33351	Metalworking machinery manufacturing	1	100	40	3 316	151 111	2 310	4 561	97 229	278 943	165 319	448 227	D
333511	Industrial mold manufacturing	-	26	9	595	29 785	433	929	19 797	51 860	22 113	70 836	10 167
333514	Special die and tool, die set, jig, and fixture manufacturing	1	49	24	2 053	89 194	1 479	2 852	60 788	165 304	60 509	224 168	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	7	1	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	7	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
3339	Other general purpose machinery manufacturing	2	19	10	g	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	2	14	8	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	-	7	5	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	39	18	1 657	71 595	1 002	1 951	26 836	188 346	136 203	329 832	D
3341	Computer and peripheral equipment manufacturing	-	7	2	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	-	7	2	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	3	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	1	11	10	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	1	11	10	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	15	4	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	12	4	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	12	4	g	D	D	D	D	D	D	D	D
335312	Motor and generator 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	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MONTGOMERY—Con.													
336	Transportation equipment manufacturing	-	42	23	j	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
336112	Light truck and utility vehicle manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	32	17	i	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	5	3	h	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	5	3	h	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
33639	Other motor vehicle parts manufacturing	-	14	6	h	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	12	4	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	63	12	862	28 419	605	1 226	17 070	70 761	47 735	114 867	2 528
3391	Medical equipment and supplies manufacturing	-	31	7	f	D	D	D	D	D	D	D	1 947
33911	Medical equipment and supplies manufacturing	-	31	7	f	D	D	D	D	D	D	D	1 947
MORROW													
31-33	Manufacturing	-	30	9	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	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	-	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
MUSKINGUM													
31-33	Manufacturing	-	109	35	7 530	267 106	6 565	12 969	221 677	768 691	463 060	1 226 386	50 533
311	Food manufacturing	3	11	8	710	23 817	500	1 010	13 988	110 786	64 640	174 743	8 445
321	Wood product manufacturing	-	12	2	h	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	-	11	2	h	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	-	4	2	h	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	19	6	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
3359	Other electrical equipment and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	-	1	1	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
NOBLE													
31-33	Manufacturing	-	15	3	619	23 374	505	905	17 444	65 157	60 666	125 679	1 604

See footnotes at end of table.

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

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OTTAWA													
31-33	Manufacturing	-	56	17	2 373	101 678	1 846	4 026	73 359	232 483	373 220	620 889	12 912
331	Primary metal manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
PAULDING													
31-33	Manufacturing	2	40	19	1 550	52 426	1 212	2 456	35 939	137 518	169 089	308 114	10 197
PERRY													
31-33	Manufacturing	-	30	12	1 486	58 890	1 228	2 624	42 888	144 521	91 619	236 033	4 885
331	Primary metal manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
PICKAWAY													
31-33	Manufacturing	-	44	17	3 752	159 489	2 673	5 529	94 238	420 631	400 475	823 562	103 113
326	Plastics and rubber products manufacturing	-	5	4	971	41 263	724	1 416	25 239	78 924	89 007	165 805	D
3261	Plastics product manufacturing ..	-	5	4	971	41 263	724	1 416	25 239	78 924	89 007	165 805	D
32619	Other plastics product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	4	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
327212	Other pressed and blown glass and glassware manufacturing	-	2	1	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
3351	Electric lighting equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
PIKE													
31-33	Manufacturing	-	35	12	4 683	174 072	4 280	10 009	155 613	641 176	362 783	1 013 475	12 532
321	Wood product manufacturing	2	23	8	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	2	2	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
PORTAGE													
31-33	Manufacturing	-	287	118	11 178	405 722	8 409	17 138	261 860	1 137 665	1 009 538	2 167 698	81 264
323	Printing and related support activities	-	15	6	903	32 540	708	1 414	20 761	187 295	77 645	265 968	5 923
3231	Printing and related support activities	-	15	6	903	32 540	708	1 414	20 761	187 295	77 645	265 968	5 923
32311	Printing	-	15	6	903	32 540	708	1 414	20 761	187 295	77 645	265 968	5 923
326	Plastics and rubber products manufacturing	-	53	39	3 544	122 777	2 647	5 515	75 472	373 136	298 994	677 940	34 514
3261	Plastics product manufacturing ..	1	'32	'23	'2 230	'74 296	'1 723	'3 643	'47 117	'234 313	'173 848	'409 638	'13 857
32619	Other plastics product manufacturing	1	25	17	1 801	59 325	1 382	2 933	37 109	188 704	128 067	318 374	9 932
326199	All other plastics product manufacturing	1	25	17	1 801	59 325	1 382	2 933	37 109	188 704	128 067	318 374	9 932
3262	Rubber product manufacturing ...	-	'21	'16	'1 314	'48 481	'924	'1 872	'28 355	'138 823	'125 146	'268 302	'20 657
32622	Rubber and plastics hoses and belting manufacturing	-	'3	'3	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	-	'3	'3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	1	18	13	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	11	9	507	15 904	367	772	8 680	31 841	25 711	57 430	D
332	Fabricated metal product manufacturing	2	'65	22	'1 779	'60 421	'1 383	'2 920	'42 587	'150 193	'104 773	'258 199	'8 708
3329	Other fabricated metal product manufacturing	3	'7	6	'563	'19 202	'396	'840	'12 975	'46 905	'29 543	'78 214	D
333	Machinery manufacturing	-	'44	13	'1 004	'41 341	'697	'1 344	'24 077	'61 855	'87 706	'162 192	'2 769
335	Electrical equipment, appliance, and component manufacturing	-	6	4	745	29 148	636	1 099	24 161	91 813	43 107	136 024	D
336	Transportation equipment manufacturing	2	5	3	f	D	D	D	D	D	D	D	D
PREBLE													
31-33	Manufacturing	1	61	18	3 375	127 736	2 295	4 602	73 552	330 929	499 190	837 394	38 133
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3111	Animal food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	5	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	16	7	773	27 177	648	1 293	22 070	62 391	74 423	139 151	3 883
3329	Other fabricated metal product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	9	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
PUTNAM													
31-33	Manufacturing	-	50	22	3 847	138 958	3 265	6 601	108 554	357 607	1 165 800	1 561 088	25 114
332	Fabricated metal product manufacturing	-	12	6	f	D	D	D	D	D	D	D	4 562
334	Computer and electronic product manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
334411	Electron tube 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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
RICHLAND													
31-33	Manufacturing	-	207	86	13 896	575 021	10 825	21 249	427 143	1 385 581	1 537 122	2 904 912	104 894
326	Plastics and rubber products manufacturing	3	10	7	706	20 303	553	1 154	15 488	65 349	65 162	129 424	5 338
3261	Plastics product manufacturing ..	3	9	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	6	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	7	4	1 110	63 289	826	1 917	45 346	281 234	289 012	559 837	7 204
3311	Iron and steel mills and ferroalloy manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	52	21	1 660	47 968	1 409	2 701	35 620	111 630	84 239	197 332	3 713
3321	Forging and stamping.....	2	8	5	503	14 008	433	840	9 923	29 837	31 088	61 099	1 120
33211	Forging and stamping.....	2	8	5	503	14 008	433	840	9 923	29 837	31 088	61 099	1 120
333	Machinery manufacturing	-	28	10	1 226	49 334	704	1 224	24 424	120 079	112 667	231 264	4 235
3339	Other general purpose machinery manufacturing	-	8	5	862	36 545	459	787	17 107	82 656	84 370	166 394	2 740
33391	Pump and compressor manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	6	4	1 931	55 684	1 385	2 645	30 081	130 319	63 936	193 245	5 318
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	5	4	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	5	4	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	-	3	3	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	4	9	5	986	27 915	794	1 628	20 328	61 663	49 821	112 189	1 833
3353	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
33531	Electrical equipment manufacturing	8	5	3	529	16 393	400	835	11 423	33 295	24 550	58 519	D
336	Transportation equipment manufacturing	-	16	12	4 340	245 875	3 807	7 309	217 512	479 814	721 085	1 197 688	70 882
3363	Motor vehicle parts manufacturing	-	11	10	4 236	243 079	3 719	7 140	215 315	475 035	713 258	1 184 916	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
33637	Motor vehicle metal stamping ..	-	6	6	2 661	180 089	2 338	4 710	159 002	322 203	462 660	784 267	D
336370	Motor vehicle metal stamping	-	6	6	2 661	180 089	2 338	4 710	159 002	322 203	462 660	784 267	D
33639	Other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
ROSS													
31-33	Manufacturing	-	45	11	3 619	189 199	2 729	6 211	126 124	699 705	1 098 583	1 797 792	40 705
322	Paper manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	2	2	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	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
336	Transportation equipment manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing.....	-	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	-	1	1	g	D	D	D	D	D	D	D	D

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SANDUSKY													
31-33	Manufacturing	-	119	45	9 691	347 733	8 142	16 697	268 642	1 495 771	1 397 657	2 914 560	51 277
311	Food manufacturing	-	9	3	f	D	D	D	D	D	D	D	3 274
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	-	2	2	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	13	10	1 568	57 544	1 245	2 673	42 008	143 489	176 418	321 603	16 004
3261	Plastics product manufacturing ..	2	11	9	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	6	5	822	28 813	643	1 401	20 645	61 915	53 359	116 673	2 153
326199	All other plastics product manufacturing	3	6	5	822	28 813	643	1 401	20 645	61 915	53 359	116 673	2 153
332	Fabricated metal product manufacturing	-	23	7	621	27 257	425	858	17 221	87 816	97 598	185 364	2 867
335	Electrical equipment, appliance, and component manufacturing	-	6	3	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	-	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	-	1	1	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	5	1 240	41 070	1 039	2 277	30 774	153 911	145 393	299 204	11 969
3363	Motor vehicle parts manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	2	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	2	1	f	D	D	D	D	D	D	D	D
SCIOTO													
31-33	Manufacturing	-	61	15	2 061	70 059	1 564	3 242	50 384	164 463	368 298	534 993	14 727
SENECA													
31-33	Manufacturing	-	93	41	4 988	202 947	3 838	8 235	142 328	599 210	499 793	1 096 572	26 372
327	Nonmetallic mineral product manufacturing	-	9	4	922	37 811	810	1 809	31 369	144 795	59 495	202 095	D
3271	Clay product and refractory manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	22	9	768	25 561	543	1 097	15 719	70 175	48 394	118 171	5 428
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	12	6	546	18 920	389	822	12 236	56 668	40 498	96 424	5 065
333	Machinery manufacturing	2	15	7	845	37 556	573	1 173	22 618	77 505	57 738	135 795	3 488
336	Transportation equipment manufacturing	-	5	4	760	43 465	676	1 465	37 923	115 717	59 102	174 902	6 302
3363	Motor vehicle parts manufacturing	-	4	3	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]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SHELBY													
31-33	Manufacturing	-	149	75	13 685	591 241	10 039	20 710	384 668	1 261 874	4 450 195	5 713 064	D
311	Food manufacturing	1	11	7	1 287	37 582	1 045	2 166	28 075	170 339	481 757	653 327	9 807
326	Plastics and rubber products manufacturing	-	7	6	1 312	41 020	1 223	2 476	37 713	103 470	195 954	299 909	D
3261	Plastics product manufacturing ..	-	6	5	g	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	6	5	f	D	D	D	D	D	D	D	D
3315	Foundries	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
33152	Nonferrous metal foundries	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
331524	Aluminum foundries (except die-casting).....	-	4	4	627	19 159	467	905	11 903	36 562	23 194	60 857	1 037
332	Fabricated metal product manufacturing	-	51	17	1 899	68 950	1 435	3 043	48 477	215 704	330 365	548 736	8 931
3323	Architectural and structural metals manufacturing	-	13	7	1 285	44 038	981	2 151	32 163	172 139	302 136	475 748	4 926
33232	Ornamental and architectural metal products manufacturing	-	10	7	1 258	42 982	963	2 112	31 534	169 825	300 136	471 434	4 837
332321	Metal window and door manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	-	7	4	549	18 112	456	997	14 982	48 082	88 884	138 218	D
333	Machinery manufacturing	1	23	16	2 231	127 972	947	2 056	41 700	143 253	280 470	433 256	9 987
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	11	9	4 654	243 617	3 646	7 497	183 980	350 786	2 908 327	3 255 969	D
3363	Motor vehicle parts manufacturing	-	7	7	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	2	2	f	D	D	D	D	D	D	D	D
STARK													
31-33	Manufacturing	-	604	220	34 491	1 340 040	25 958	51 672	908 428	4 123 786	4 396 083	8 437 402	256 051
311	Food manufacturing	-	39	13	h	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	6	4	638	25 124	452	911	14 285	48 393	190 717	239 738	7 909
31151	Dairy product (except frozen) manufacturing	-	6	4	638	25 124	452	911	14 285	48 393	190 717	239 738	7 909
3116	Animal slaughtering and processing	-	6	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	6	2	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	3	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	14	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	14	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
STARK—Con.													
311	Food manufacturing—Con.												
3119	Other food manufacturing	—	5	3	585	16 222	346	697	9 201	71 421	43 973	115 005	D
31191	Snack food manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	54	10	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	2	54	10	g	D	D	D	D	D	D	D	D
32311	Printing	2	50	10	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	27	8	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	18	10	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	48	26	3 052	84 096	2 568	5 376	59 018	329 090	264 036	585 295	D
3261	Plastics product manufacturing ..	—	38	20	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	28	17	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	27	16	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	10	6	f	D	D	D	D	D	D	D	10 779
327	Nonmetallic mineral product manufacturing	1	28	11	g	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	—	8	6	f	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	35	23	7 678	382 803	6 408	13 196	311 600	1 304 219	1 354 268	2 576 111	68 590
3311	Iron and steel mills and ferroalloy manufacturing	—	9	7	5 331	276 532	4 540	9 534	230 398	999 463	989 955	1 923 467	33 169
33111	Iron and steel mills and ferroalloy manufacturing	—	9	7	5 331	276 532	4 540	9 534	230 398	999 463	989 955	1 923 467	33 169
331111	Iron and steel mills	—	8	6	i	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	7	5	g	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	2	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	4	3	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	3	3	783	36 559	662	1 237	28 942	115 652	232 759	334 880	D
3315	Foundries	—	15	11	1 006	43 895	757	1 479	32 060	119 129	62 434	181 570	D
33151	Ferrous metal foundries	1	7	5	516	20 087	348	775	12 427	39 530	21 927	60 880	D
332	Fabricated metal product manufacturing	1	154	51	6 620	263 534	5 107	10 036	182 425	582 232	569 423	1 159 519	D
3321	Forging and stamping	—	10	7	g	D	D	D	D	D	D	D	D
33211	Forging and stamping	—	10	7	g	D	D	D	D	D	D	D	D
332114	Custom roll forming	—	2	2	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	—	23	10	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4	62	13	g	D	D	D	D	D	D	D	D
33271	Machine shops	1	53	8	f	D	D	D	D	D	D	D	D
332710	Machine shops	1	53	8	f	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	8	9	5	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
STARK—Con.													
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	—	26	6	566	16 619	435	803	9 153	34 591	13 205	47 820	2 525
33281	Coating, engraving, heat treating, and allied activities ..	—	26	6	566	16 619	435	803	9 153	34 591	13 205	47 820	2 525
3329	Other fabricated metal product manufacturing	—	13	5	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	10	4	g	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	62	22	1 332	54 596	886	1 805	30 730	109 877	81 878	191 067	4 252
334	Computer and electronic product manufacturing	—	12	4	644	24 873	397	788	10 594	42 545	39 511	82 157	3 190
335	Electrical equipment, appliance, and component manufacturing	—	14	8	3 575	141 665	2 529	4 636	85 581	609 467	223 289	826 813	20 830
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	23	9	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	17	6	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	22	5	970	33 947	757	1 514	23 259	64 951	45 695	107 113	1 775
3372	Office furniture (including fixtures) manufacturing	—	5	4	685	26 513	520	1 064	17 903	47 787	30 485	78 076	1 328
33721	Office furniture (including fixtures) manufacturing	—	5	4	685	26 513	520	1 064	17 903	47 787	30 485	78 076	1 328
337215	Showcase, partition, shelving, and locker manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	39	10	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	31	9	f	D	D	D	D	D	D	D	D
33995	Sign manufacturing	—	15	6	f	D	D	D	D	D	D	D	1 323
339950	Sign manufacturing	—	15	6	f	D	D	D	D	D	D	D	1 323
SUMMIT													
31-33	Manufacturing	1	1 043	350	38 394	1 527 161	27 145	53 697	923 364	4 510 125	3 612 966	8 074 548	342 722
311	Food manufacturing	2	45	7	2 215	65 893	1 303	1 599	36 675	145 381	168 053	314 335	D
3118	Bakeries and tortilla manufacturing	—	28	4	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	26	4	1 527	44 941	819	729	23 909	112 586	34 489	147 038	D
311812	Commercial bakeries	—	5	2	g	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	12	8	892	41 716	499	1 031	17 224	90 720	116 451	205 546	D
3222	Converted paper product manufacturing	—	12	8	892	41 716	499	1 031	17 224	90 720	116 451	205 546	D
323	Printing and related support activities	1	91	25	2 112	67 449	1 509	2 688	42 161	118 745	93 953	211 956	11 265
3231	Printing and related support activities	1	91	25	2 112	67 449	1 509	2 688	42 161	118 745	93 953	211 956	11 265
32311	Printing	1	82	23	1 995	64 654	1 420	2 522	40 054	113 116	92 229	204 617	11 143
323110	Commercial lithographic printing	—	46	12	1 143	38 176	879	1 475	24 892	57 917	63 019	121 027	D
323113	Commercial screen printing ..	4	12	5	f	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SUMMIT—Con.													
325	Chemical manufacturing	-	67	31	3 293	130 712	2 340	4 574	79 055	561 793	649 002	1 201 351	35 068
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	-	12	8	f	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	-	11	8	f	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	-	9	7	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	6	4	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	26	9	650	23 615	472	1 003	13 609	80 698	98 843	178 853	D
32599	All other chemical product and preparation manufacturing ..	1	25	9	f	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	-	15	7	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	108	56	6 153	210 763	4 785	9 846	142 809	692 915	537 391	1 218 008	86 849
3261	Plastics product manufacturing ..	1	71	36	4 772	155 031	3 789	7 776	108 044	542 483	422 233	954 493	77 028
32619	Other plastics product manufacturing	1	50	26	3 891	121 058	3 139	6 391	86 580	454 141	332 818	782 979	70 165
326199	All other plastics product manufacturing	1	48	25	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	2	37	20	1 381	55 732	996	2 070	34 765	150 432	115 158	263 515	9 821
32629	Other rubber product manufacturing	1	28	18	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	2	14	7	550	21 931	432	921	15 430	58 229	32 818	90 991	D
326299	All other rubber product manufacturing	1	14	11	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	5	30	10	699	25 212	571	1 219	17 871	71 200	48 608	119 988	4 953
3273	Cement and concrete product manufacturing	5	15	7	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	20	8	g	D	D	D	D	D	D	D	D
3315	Foundries	-	15	6	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	8	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	257	65	6 586	243 296	4 936	10 356	152 739	517 443	321 145	844 061	46 544
3323	Architectural and structural metals manufacturing	-	35	10	f	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	-	17	6	f	D	D	D	D	D	D	D	1 792
3324	Boiler, tank, and shipping container manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	133	25	2 771	91 532	2 309	5 092	66 302	194 613	104 353	294 840	17 578
33271	Machine shops	1	118	20	2 455	76 602	2 097	4 664	59 235	158 551	82 181	240 580	16 893
332710	Machine shops	1	118	20	2 455	76 602	2 097	4 664	59 235	158 551	82 181	240 580	16 893
3328	Coating, engraving, heat treating, and allied activities	2	30	8	551	18 965	427	762	12 855	36 814	13 038	49 878	D
33281	Coating, engraving, heat treating, and allied activities ..	2	30	8	551	18 965	427	762	12 855	36 814	13 038	49 878	D
3329	Other fabricated metal product manufacturing	2	28	8	666	26 170	487	1 068	16 853	52 824	41 895	97 408	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SUMMIT—Con.													
333	Machinery manufacturing	3	160	63	4 271	180 222	2 906	5 750	103 736	398 961	255 599	656 315	11 729
3332	Industrial machinery manufacturing	3	35	17	g	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing	—	20	12	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	—	20	12	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	4	87	31	2 099	84 747	1 659	3 389	61 775	180 201	67 505	250 550	6 004
33351	Metalworking machinery manufacturing	4	87	31	2 099	84 747	1 659	3 389	61 775	180 201	67 505	250 550	6 004
333511	Industrial mold manufacturing	3	50	22	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	2	23	9	771	35 919	443	835	16 185	69 664	66 889	137 549	D
33399	All other general purpose machinery manufacturing	1	14	6	f	D	D	D	D	D	D	D	809
334	Computer and electronic product manufacturing	1	41	15	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	22	8	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	22	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	22	8	1 024	37 313	624	1 271	17 756	335 813	270 779	613 088	D
3353	Electrical equipment manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	11	5	f	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	—	5	2	f	D	D	D	D	D	D	D	1 338
336	Transportation equipment manufacturing	—	32	19	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	26	16	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	8	6	2 448	172 264	2 091	4 334	147 041	380 759	259 593	636 648	D
336370	Motor vehicle metal stamping	—	8	6	2 448	172 264	2 091	4 334	147 041	380 759	259 593	636 648	D
33639	Other motor vehicle parts manufacturing	—	7	5	745	28 767	556	1 196	19 220	33 622	55 398	88 914	4 823
336399	All other motor vehicle parts manufacturing	—	7	5	745	28 767	556	1 196	19 220	33 622	55 398	88 914	4 823
3364	Aerospace product and parts manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	8	32	4	643	17 478	522	991	12 251	40 513	34 135	70 789	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	18	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	81	26	2 463	75 666	1 739	2 947	40 391	270 694	118 347	377 171	26 469
3391	Medical equipment and supplies manufacturing	1	32	13	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	1	32	13	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	49	13	g	D	D	D	D	D	D	D	D
33993	Doll, toy, and game manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	2	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TRUMBULL													
31-33	Manufacturing	—	'269	'102	'24 866	'1 275 270	'19 505	'38 972	'954 356	'3 484 792	'5 919 485	'9 404 439	'114 305
326	Plastics and rubber products manufacturing	1	20	11	1 258	41 679	1 026	2 222	29 041	115 256	78 119	193 124	5 847
3261	Plastics product manufacturing ..	2	14	8	602	15 710	490	977	10 423	39 538	40 843	80 393	D
3262	Rubber product manufacturing ...	—	6	3	656	25 969	536	1 245	18 618	75 718	37 276	112 731	D
331	Primary metal manufacturing	—	19	17	4 231	186 070	3 186	6 611	128 554	526 166	843 630	1 358 350	25 610
3311	Iron and steel mills and ferroalloy manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	5	4	g	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	1	5	5	663	27 726	526	927	18 659	91 863	147 394	229 035	D
3313	Alumina and aluminum production and processing	1	5	5	899	28 051	732	1 556	19 676	108 750	271 090	381 699	D
33131	Alumina and aluminum production and processing ...	1	5	5	899	28 051	732	1 556	19 676	108 750	271 090	381 699	D
331316	Aluminum extruded product manufacturing	4	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	'81	'30	'2 832	'97 568	'2 129	'4 213	'62 932	'240 325	'325 037	'569 193	'11 366
3323	Architectural and structural metals manufacturing	2	20	10	839	30 772	616	1 296	19 307	88 082	111 790	199 126	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	32	6	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	29	4	f	D	D	D	D	D	D	D	D
332710	Machine shops	1	29	4	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	18	14	j	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	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
3363	Motor vehicle parts manufacturing	—	12	12	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	5	5	i	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	4	4	i	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	5	5	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	5	5	h	D	D	D	D	D	D	D	D
TUSCARAWAS													
31-33	Manufacturing	1	232	90	9 231	305 389	6 884	13 339	189 676	850 881	993 135	1 820 703	64 978
321	Wood product manufacturing	1	35	14	1 014	30 269	787	1 466	18 945	71 100	109 354	180 334	3 826
3219	Other wood product manufacturing	—	25	10	588	16 626	494	854	11 597	43 450	54 986	98 001	2 709
326	Plastics and rubber products manufacturing	—	24	17	2 035	56 744	1 514	2 779	35 813	145 724	160 900	303 228	18 894
3261	Plastics product manufacturing ..	—	13	10	954	30 220	724	1 442	19 898	82 624	90 199	170 593	6 658
3262	Rubber product manufacturing ...	—	11	7	1 081	26 524	790	1 337	15 915	63 100	70 701	132 635	12 236
32629	Other rubber product manufacturing	—	7	6	1 025	25 034	755	1 261	14 992	59 709	66 194	124 750	D
326291	Rubber product manufacturing for mechanical use	—	5	4	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	15	11	661	21 808	570	1 128	17 349	57 061	33 565	82 996	6 062
3271	Clay product and refractory manufacturing	—	10	10	612	19 968	528	1 047	15 956	52 302	26 231	70 904	D
32712	Clay building material and refractories manufacturing	—	10	10	612	19 968	528	1 047	15 956	52 302	26 231	70 904	D
331	Primary metal manufacturing	—	7	4	658	28 838	502	1 155	21 424	74 417	269 465	357 144	4 583
332	Fabricated metal product manufacturing	—	33	9	945	28 310	735	1 491	18 549	69 627	42 956	113 202	2 006

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TUSCARAWAS—Con.													
333	Machinery manufacturing	5	20	9	1 336	54 615	809	1 455	27 002	142 709	102 937	228 158	7 433
3339	Other general purpose machinery manufacturing	9	6	3	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	9	4	2	f	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	17	6	584	18 789	401	854	9 773	106 382	27 716	133 423	1 798
UNION													
31-33	Manufacturing	—	40	19	i	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	5	5	514	19 870	426	788	14 217	67 174	93 204	160 762	D
333	Machinery manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	4	3	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	2	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
VAN WERT													
31-33	Manufacturing	—	46	19	3 790	117 103	3 180	6 322	89 767	323 026	417 887	736 248	16 152
332	Fabricated metal product manufacturing	—	11	5	1 407	45 944	1 101	2 150	31 641	141 502	132 735	269 124	5 096
3329	Other fabricated metal product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	6	4	878	25 126	760	1 580	21 642	72 392	68 596	141 279	5 721
3363	Motor vehicle parts manufacturing	—	3	3	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	—	3	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
WARREN													
31-33	Manufacturing	—	216	102	12 211	466 962	8 542	17 405	277 334	1 093 335	1 701 851	2 821 909	108 716
322	Paper manufacturing	—	16	12	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	—	14	10	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	8	5	589	18 526	487	1 024	12 961	44 924	62 356	107 321	D
322211	Corrugated and solid fiber box manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	—	16	6	935	35 296	706	1 561	26 648	74 030	59 633	134 931	10 096
3231	Printing and related support activities	—	16	6	935	35 296	706	1 561	26 648	74 030	59 633	134 931	10 096
32311	Printing	—	15	6	f	D	D	D	D	D	D	D	10 096

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WARREN—Con.													
326	Plastics and rubber products manufacturing	1	18	12	1 182	35 904	988	1 976	26 418	89 526	102 251	193 524	7 961
3261	Plastics product manufacturing ..	1	16	11	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	8	4	674	18 522	563	1 087	13 300	42 903	47 578	90 379	D
326199	All other plastics product manufacturing	—	8	4	674	18 522	563	1 087	13 300	42 903	47 578	90 379	D
332	Fabricated metal product manufacturing	—	48	17	1 759	65 572	1 321	2 635	42 312	124 165	144 811	270 673	9 293
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	—	28	9	818	28 902	639	1 208	21 045	71 525	28 921	101 712	4 589
333	Machinery manufacturing	—	23	13	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	11	6	1 410	63 204	627	1 412	18 473	93 854	291 903	392 732	D
3344	Semiconductor and other electronic component manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	8	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	8	7	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	2	2	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
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
WASHINGTON													
31-33	Manufacturing	1	110	42	5 009	215 224	3 294	6 608	124 583	756 303	1 098 671	1 837 653	45 478
325	Chemical manufacturing	1	12	8	g	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	5	5	g	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	1	5	5	g	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	1	4	4	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	8	6	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	15	5	528	16 792	377	710	10 608	46 942	33 316	80 747	D
339	Miscellaneous manufacturing	1	9	3	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	—	2	1	f	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WAYNE													
31-33	Manufacturing	-	280	111	14 934	522 130	10 331	20 792	333 101	1 609 486	1 412 320	3 028 041	106 738
311	Food manufacturing	-	22	10	1 879	64 107	1 342	2 630	41 123	475 352	308 753	783 795	12 857
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	-	2	1	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	-	2	1	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	40	13	879	21 169	710	1 343	15 421	44 399	65 217	110 396	2 057
3219	Other wood product manufacturing	1	31	11	702	15 313	588	1 067	11 674	33 224	52 047	86 009	1 570
322	Paper manufacturing	-	6	5	647	28 340	518	1 126	20 074	58 219	104 284	162 225	2 220
326	Plastics and rubber products manufacturing	-	18	10	2 332	48 031	1 241	2 604	36 878	168 307	148 971	316 572	25 025
3261	Plastics product manufacturing ..	-	13	8	2 182	43 112	1 130	2 396	34 435	150 386	136 519	286 349	23 638
32619	Other plastics product manufacturing	-	9	6	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	7	5	2 047	39 442	1 036	2 207	32 422	139 238	118 500	258 128	D
327	Nonmetallic mineral product manufacturing	1	18	10	700	21 589	578	1 100	15 920	53 896	33 474	85 089	2 236
331	Primary metal manufacturing	2	11	7	1 110	43 619	861	1 764	30 098	127 145	108 311	226 054	3 266
3312	Steel product manufacturing from purchased steel	3	4	4	618	29 040	456	953	19 724	100 657	90 480	181 560	2 308
332	Fabricated metal product manufacturing	1	37	15	1 314	53 064	891	1 846	29 934	92 736	74 436	165 759	11 684
3329	Other fabricated metal product manufacturing	1	9	5	622	26 545	423	883	15 020	49 943	36 910	84 868	3 057
333	Machinery manufacturing	1	26	10	1 408	52 337	991	1 984	32 980	109 928	195 569	331 077	8 634
3331	Agriculture, construction, and mining machinery manufacturing	3	10	5	600	21 676	440	914	12 659	46 142	89 851	157 072	1 727
3339	Other general purpose machinery manufacturing	-	7	4	740	28 083	503	990	18 820	60 169	100 644	165 614	6 798
33399	All other general purpose machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	14	8	2 330	92 098	1 651	3 225	56 776	230 227	205 899	423 620	30 437
3363	Motor vehicle parts manufacturing	-	8	5	1 953	78 701	1 379	2 667	48 558	205 755	176 022	370 224	29 899
33635	Motor vehicle transmission and power train parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	2	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	16	5	884	31 249	610	1 247	18 277	82 307	56 970	139 027	3 245
3399	Other miscellaneous manufacturing	-	12	4	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	7	4	778	27 364	562	1 158	16 756	73 298	52 661	125 511	D
339994	Broom, brush, and mop 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WILLIAMS													
31-33	Manufacturing	1	141	60	7 859	272 391	5 971	11 819	177 336	796 555	893 662	1 670 969	88 690
326	Plastics and rubber products manufacturing	—	19	13	2 022	62 905	1 635	3 082	43 978	168 973	130 881	288 548	11 193
3261	Plastics product manufacturing ..	1	18	12	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	14	10	1 561	46 696	1 256	2 277	31 612	104 719	87 250	191 357	D
326199	All other plastics product manufacturing	1	14	10	1 561	46 696	1 256	2 277	31 612	104 719	87 250	191 357	D
332	Fabricated metal product manufacturing	1	35	12	894	28 480	717	1 427	19 905	69 127	91 071	158 767	6 630
333	Machinery manufacturing	3	22	8	1 043	34 992	666	1 255	18 983	108 062	93 700	201 464	3 603
3339	Other general purpose machinery manufacturing	4	3	2	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	4	2	2	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	4	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	12	7	1 425	57 546	1 180	2 368	40 634	144 306	187 213	328 601	8 970
3363	Motor vehicle parts manufacturing	1	10	6	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	1	5	4	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	1	5	4	f	D	D	D	D	D	D	D	D
WOOD													
31-33	Manufacturing	1	226	95	14 330	597 392	10 398	20 708	392 982	1 612 246	1 715 254	3 318 418	132 728
311	Food manufacturing	1	14	7	g	D	D	D	D	D	D	D	15 455
3118	Bakeries and tortilla manufacturing	—	4	1	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	4	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	2	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	23	17	3 794	136 707	3 024	5 290	96 853	423 078	315 422	734 898	33 333
3261	Plastics product manufacturing ..	—	18	12	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	16	10	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	15	10	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	5	5	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	5	5	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	4	4	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	9	6	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	42	16	1 609	64 321	1 238	2 529	43 863	273 155	166 472	435 143	7 231
333	Machinery manufacturing	1	28	10	930	41 119	507	998	17 107	96 672	93 063	185 642	2 677
3339	Other general purpose machinery manufacturing	—	14	5	507	24 194	219	404	7 552	55 989	54 037	112 440	1 390
336	Transportation equipment manufacturing	—	13	9	h	D	D	D	D	D	D	D	55 155
3363	Motor vehicle parts manufacturing	—	13	9	h	D	D	D	D	D	D	D	55 155
33635	Motor vehicle transmission and power train parts manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	5	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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WYANDOT													
31-33	Manufacturing	-	45	25	3 683	114 892	3 026	6 130	82 273	344 137	418 700	760 954	22 321
326	Plastics and rubber products manufacturing	-	10	7	1 767	48 798	1 521	3 154	38 535	133 055	216 083	348 229	D
3261	Plastics product manufacturing ..	-	8	5	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	5	4	g	D	D	D	D	D	D	D	8 749
326199	All other plastics product manufacturing	-	5	4	g	D	D	D	D	D	D	D	8 749
327	Nonmetallic mineral product manufacturing	-	8	3	596	19 379	454	869	11 656	47 144	39 155	87 342	D
3272	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	3	560	18 180	489	924	15 453	72 543	53 263	125 976	1 872
3363	Motor vehicle parts manufacturing	-	4	2	f	D	D	D	D	D	D	D	D

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Industries 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.

⁴Number 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	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
AKRON													
31-33	Manufacturing	1	352	104	11 103	459 576	6 685	12 684	231 317	1 329 795	987 447	2 304 169	54 219
311	Food manufacturing	4	19	3	1 390	42 663	643	552	18 557	95 946	40 537	136 161	2 597
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	-	2	1	g	D	D	D	D	D	D	D	D
323	Printing and related support activities	3	38	9	739	24 410	471	892	14 837	47 094	23 720	70 758	D
3231	Printing and related support activities	3	38	9	739	24 410	471	892	14 837	47 094	23 720	70 758	D
32311	Printing	3	33	8	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	29	11	1 093	54 421	716	1 544	31 995	241 189	338 520	574 039	16 111
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	-	7	4	522	30 693	329	703	18 387	126 041	253 404	376 082	D
32521	Resin and synthetic rubber manufacturing	-	7	4	522	30 693	329	703	18 387	126 041	253 404	376 082	D
325211	Plastics material and resin manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	29	14	1 588	58 027	1 093	2 129	35 248	205 801	119 617	325 900	13 588
3261	Plastics product manufacturing ..	-	16	8	1 171	40 690	818	1 581	26 028	144 807	74 418	221 717	6 369
32619	Other plastics product manufacturing	-	11	7	g	D	D	D	D	D	D	D	5 818
326199	All other plastics product manufacturing	-	9	6	792	26 948	542	1 077	17 263	107 022	53 389	162 723	D
332	Fabricated metal product manufacturing	2	96	17	1 350	52 015	969	1 925	33 226	101 324	61 012	163 984	4 225
333	Machinery manufacturing	2	50	22	1 461	68 937	842	1 617	32 242	137 138	113 264	249 650	2 632
3339	Other general purpose machinery manufacturing	2	13	6	537	28 597	267	511	12 109	49 552	53 723	104 316	D
336	Transportation equipment manufacturing	-	12	9	1 954	105 041	970	2 011	37 337	396 840	172 590	557 085	D
3363	Motor vehicle parts manufacturing	2	9	7	f	D	D	D	D	D	D	D	3 730
3364	Aerospace product and parts manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
ALLIANCE													
31-33	Manufacturing	1	48	14	1 654	58 694	1 236	2 487	36 590	118 850	139 882	257 074	3 896
316	Leather and allied product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
AMHERST													
31-33	Manufacturing	-	8	4	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		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 ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
ARCHBOLD													
31-33	Manufacturing	-	27	16	5 363	149 282	3 771	8 373	104 498	624 154	471 762	1 091 347	47 459
311	Food manufacturing	2	5	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	5	3	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	3	2	h	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
ASHLAND													
31-33	Manufacturing	-	49	28	3 522	131 955	2 505	5 062	80 789	421 769	346 692	767 145	12 072
333	Machinery manufacturing	-	8	5	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	4	4	f	D	D	D	D	D	D	D	4 652
3399	Other miscellaneous manufacturing	-	4	4	f	D	D	D	D	D	D	D	4 652
33999	All other miscellaneous manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
ASHTABULA													
31-33	Manufacturing	4	35	11	1 543	49 632	1 210	2 570	33 396	101 633	114 708	215 793	9 238
326	Plastics and rubber products manufacturing	7	7	5	1 074	31 080	874	1 851	22 465	53 885	64 271	118 456	6 194
3261	Plastics product manufacturing ..	8	6	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	9	4	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	9	4	3	f	D	D	D	D	D	D	D	D
ATHENS													
31-33	Manufacturing	-	14	3	f	D	D	D	D	D	D	D	D
AURORA													
31-33	Manufacturing	2	27	14	1 301	48 392	891	1 787	29 954	132 750	106 686	242 431	17 123
326	Plastics and rubber products manufacturing	-	10	8	688	26 474	509	1 029	16 103	76 791	58 798	137 865	13 326
3261	Plastics product manufacturing ..	1	8	6	f	D	D	D	D	D	D	D	D
AVON													
31-33	Manufacturing	1	29	13	967	42 504	627	1 320	20 780	95 619	85 939	179 600	5 954

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
AVON LAKE													
31-33	Manufacturing	-	30	15	3 530	184 832	2 989	5 188	148 178	217 173	697 838	930 287	22 526
325	Chemical manufacturing	1	5	5	f	D	D	D	D	D	D	D	14 049
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
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
336112	Light truck and utility vehicle manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
BARBERTON													
31-33	Manufacturing	1	74	25	3 550	122 191	2 654	5 388	74 846	236 461	274 871	510 009	38 241
332	Fabricated metal product manufacturing	-	24	10	2 121	76 366	1 577	3 436	45 227	178 545	84 871	263 171	D
3324	Boiler, tank, and shipping container manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33241	Power boiler and heat exchanger manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	14	7	1 246	36 233	1 106	2 514	29 902	73 855	38 561	112 319	D
33271	Machine shops	-	14	7	1 246	36 233	1 106	2 514	29 902	73 855	38 561	112 319	D
332710	Machine shops	-	14	7	1 246	36 233	1 106	2 514	29 902	73 855	38 561	112 319	D
BEACHWOOD													
31-33	Manufacturing	8	29	5	662	26 771	445	865	14 468	99 288	82 431	181 336	D
BEAVERCREEK													
31-33	Manufacturing	-	23	6	731	21 023	473	829	12 556	42 458	47 746	89 537	D
BEDFORD													
31-33	Manufacturing	-	32	7	1 224	58 581	973	2 000	45 425	295 317	152 286	442 364	D
325	Chemical manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BEDFORD HEIGHTS													
31-33	Manufacturing	2	58	21	2 085	80 128	1 567	3 302	51 699	175 468	229 784	406 688	15 467
331	Primary metal manufacturing	-	3	3	555	23 434	463	1 044	18 546	44 163	64 792	108 339	D
BELLEFONTAINE													
31-33	Manufacturing	-	15	8	g	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
BELLEVUE													
31-33	Manufacturing	-	25	15	1 870	74 168	1 404	3 421	50 057	205 285	462 469	670 910	16 238
326	Plastics and rubber products manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
BELPRE													
31-33	Manufacturing	-	9	5	760	38 514	429	874	20 298	192 102	252 454	442 813	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BEREA													
31-33	Manufacturing	2	43	17	1 218	45 410	856	1 802	28 004	108 408	78 051	185 681	6 570
332	Fabricated metal product manufacturing	1	15	8	703	26 492	506	1 097	17 534	51 820	34 394	86 176	3 195
BLUE ASH													
31-33	Manufacturing	—	102	44	4 741	188 916	2 952	6 062	96 244	462 382	417 034	879 518	21 125
311	Food manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	19	8	564	21 694	436	919	15 883	55 380	35 578	91 024	3 246
3231	Printing and related support activities	2	19	8	564	21 694	436	919	15 883	55 380	35 578	91 024	3 246
32311	Printing	2	18	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	16	7	908	42 838	582	1 265	24 299	81 979	64 516	146 608	2 116
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	—	9	4	516	26 590	369	839	16 696	62 120	33 065	94 349	1 097
333	Machinery manufacturing	3	15	10	667	25 392	389	740	11 993	53 392	36 327	90 130	1 495
335	Electrical equipment, appliance, and component manufacturing	—	4	3	609	19 840	257	448	4 747	64 049	69 297	131 018	D
BLUFFTON													
31-33	Manufacturing	—	6	3	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	1	1	f	D	D	D	D	D	D	D	D
BOWLING GREEN													
31-33	Manufacturing	—	48	24	3 055	110 172	2 195	4 150	68 847	307 968	285 491	584 202	26 774
326	Plastics and rubber products manufacturing	—	8	7	1 739	61 519	1 299	2 436	41 630	179 367	145 626	320 898	20 308
3261	Plastics product manufacturing	—	6	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	2	2	g	D	D	D	D	D	D	D	D
BRECKSVILLE													
31-33	Manufacturing	—	17	7	821	31 043	523	797	17 133	73 393	56 185	128 649	4 166
BROOKLYN													
31-33	Manufacturing	2	44	18	2 992	100 738	2 260	4 763	61 408	268 013	204 915	482 006	13 741
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
332	Fabricated metal product manufacturing	1	20	8	788	25 173	666	1 270	18 610	62 167	28 353	86 877	2 886
3328	Coating, engraving, heat treating, and allied activities	—	5	4	533	15 873	469	889	12 765	39 194	17 515	56 729	D
33281	Coating, engraving, heat treating, and allied activities	—	5	4	533	15 873	469	889	12 765	39 194	17 515	56 729	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BROOK PARK													
31-33	Manufacturing	-	76	32	9 763	439 727	8 617	12 001	363 404	402 831	1 373 141	1 768 876	70 153
331	Primary metal manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3315	Foundries	-	2	2	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	2	2	g	D	D	D	D	D	D	D	D
331511	Iron foundries	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	30	11	575	20 555	410	846	13 185	39 530	29 164	68 723	1 838
336	Transportation equipment manufacturing	-	7	6	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	7	6	i	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
BROOKVILLE													
31-33	Manufacturing	1	17	8	g	D	D	D	D	D	D	D	5 121
326	Plastics and rubber products manufacturing	-	3	1	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	3	1	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
BRUNSWICK													
31-33	Manufacturing	2	36	19	798	31 969	562	1 152	20 268	72 838	62 805	136 122	6 438
BRYAN													
31-33	Manufacturing	1	46	20	3 176	111 702	2 241	4 523	67 855	364 677	276 539	624 390	D
326	Plastics and rubber products manufacturing	-	5	4	1 054	36 673	833	1 692	24 904	100 878	75 945	166 207	4 944
3261	Plastics product manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	7	3	566	20 528	348	687	11 332	66 365	41 645	107 287	567
BUCYRUS													
31-33	Manufacturing	-	26	13	2 781	103 691	2 377	4 180	84 113	447 914	293 160	737 373	19 356
332	Fabricated metal product manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
BYESVILLE													
31-33	Manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
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
32619	Other plastics product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
CAMBRIDGE													
31-33	Manufacturing	-	35	14	g	D	D	D	D	D	D	D	D
CANAL WINCHESTER													
31-33	Manufacturing	-	12	8	944	31 349	715	1 522	24 710	113 341	157 354	268 975	31 466

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CANTON													
31-33	Manufacturing	-	168	55	13 210	558 065	10 489	21 204	415 430	1 482 539	1 362 976	2 783 281	105 101
311	Food manufacturing	-	9	2	893	19 485	668	1 276	12 177	36 135	88 910	125 640	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
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	26	6	612	22 168	450	839	13 360	21 938	17 075	39 878	1 333
3231	Printing and related support activities	2	26	6	612	22 168	450	839	13 360	21 938	17 075	39 878	1 333
32311	Printing	2	23	6	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	12	5	511	18 904	377	697	11 424	15 817	13 266	29 926	1 057
326	Plastics and rubber products manufacturing	2	11	5	571	17 354	433	936	10 059	81 503	49 258	126 411	14 809
331	Primary metal manufacturing	-	13	8	5 333	270 410	4 466	9 408	222 645	888 473	838 303	1 658 825	53 051
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	-	4	4	h	D	D	D	D	D	D	D	29 655
332	Fabricated metal product manufacturing	-	55	18	3 766	156 524	3 050	5 892	115 595	316 132	272 564	600 101	26 571
3321	Forging and stamping	-	4	3	817	32 463	630	1 356	23 037	71 431	57 184	131 389	7 176
33211	Forging and stamping	-	4	3	817	32 463	630	1 356	23 037	71 431	57 184	131 389	7 176
3329	Other fabricated metal product manufacturing	-	7	2	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	6	3	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
CAREY													
31-33	Manufacturing	-	7	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	4	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
CHARDON													
31-33	Manufacturing	-	27	15	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
CHILLICOTHE													
31-33	Manufacturing	-	14	4	g	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CINCINNATI													
31-33	Manufacturing	1	523	176	20 014	796 451	13 784	25 462	465 190	2 061 563	2 033 774	4 109 375	143 528
311	Food manufacturing	1	45	19	3 184	110 905	2 042	3 935	63 844	394 311	339 731	733 486	47 636
3114	Fruit and vegetable preserving and specialty food manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	15	5	800	28 135	342	524	11 411	81 399	28 055	109 477	D
31181	Bread and bakery product manufacturing	1	13	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	5	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	9	4	978	33 243	660	1 205	19 150	192 936	136 633	327 914	5 904
31194	Seasoning and dressing manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	13	7	530	21 241	415	875	14 793	60 562	65 372	125 783	D
323	Printing and related support activities	1	114	30	1 728	72 135	1 202	2 346	42 423	151 130	61 588	212 026	19 570
3231	Printing and related support activities	1	114	30	1 728	72 135	1 202	2 346	42 423	151 130	61 588	212 026	19 570
32311	Printing	1	91	21	1 217	45 229	884	1 672	27 576	94 486	50 307	144 220	D
323110	Commercial lithographic printing	1	47	14	817	31 414	599	1 150	19 597	68 781	33 595	101 694	13 849
32312	Support activities for printing...	—	23	9	511	26 906	318	674	14 847	56 644	11 281	67 806	D
324	Petroleum and coal products manufacturing	—	7	2	582	28 245	303	378	12 126	63 015	159 423	224 965	2 244
3241	Petroleum and coal products manufacturing	—	7	2	582	28 245	303	378	12 126	63 015	159 423	224 965	2 244
32419	Other petroleum and coal products manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	28	12	2 348	129 400	1 322	2 842	64 954	539 527	545 609	1 066 439	30 001
3251	Basic chemical manufacturing ...	—	10	6	1 354	80 021	912	2 008	50 100	158 668	429 267	597 721	D
32513	Synthetic dye and pigment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing ...	—	2	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	—	5	3	747	47 460	509	1 114	30 486	128 924	269 022	406 617	8 910
325199	All other basic organic chemical manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	—	7	3	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	22	11	f	D	D	D	D	D	D	D	3 643
3261	Plastics product manufacturing ..	2	22	11	f	D	D	D	D	D	D	D	3 643
32619	Other plastics product manufacturing	1	13	8	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	13	8	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	12	8	667	25 082	530	999	16 815	40 079	22 729	62 675	2 300
3315	Foundries	—	11	8	f	D	D	D	D	D	D	D	2 300
332	Fabricated metal product manufacturing	1	101	36	4 282	155 436	3 496	5 824	114 323	200 007	171 113	377 206	8 646
3323	Architectural and structural metals manufacturing	1	17	8	672	24 081	494	916	15 605	44 769	48 048	93 471	1 294
3324	Boiler, tank, and shipping container manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	1	20	11	512	18 619	381	830	12 211	38 877	10 332	49 261	1 507
33281	Coating, engraving, heat treating, and allied activities ..	1	20	11	512	18 619	381	830	12 211	38 877	10 332	49 261	1 507

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CINCINNATI—Con.													
333	Machinery manufacturing	1	35	9	1 417	64 671	651	997	21 782	73 712	100 532	187 983	9 208
3335	Metalworking machinery manufacturing	1	15	3	965	45 098	380	442	14 158	27 833	62 194	101 371	1 862
33351	Metalworking machinery manufacturing	1	15	3	965	45 098	380	442	14 158	27 833	62 194	101 371	1 862
333512	Machine tool (metal cutting types) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	7	6	1 188	46 727	777	1 370	24 881	191 929	114 024	307 748	2 096
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
3359	Other electrical equipment and component manufacturing	—	3	3	f	D	D	D	D	D	D	D	678
336	Transportation equipment manufacturing	—	7	2	507	25 609	422	705	21 869	48 124	30 828	77 640	D
339	Miscellaneous manufacturing	2	47	10	1 014	35 458	674	1 277	16 011	84 014	60 945	144 630	2 216
3399	Other miscellaneous manufacturing	1	38	7	541	17 214	363	689	8 899	41 909	35 470	77 135	829
CIRCLEVILLE													
31-33	Manufacturing	—	14	4	g	D	D	D	D	D	D	D	D
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
335	Electrical equipment, appliance, and component manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
CLEVELAND													
31-33	Manufacturing	2	1 104	333	29 898	1 191 304	20 174	40 019	660 985	2 950 100	2 593 773	5 582 933	187 598
311	Food manufacturing	2	60	14	1 659	60 017	988	2 038	28 658	166 637	221 518	390 068	5 678
3118	Bakeries and tortilla manufacturing	2	35	5	728	23 855	451	859	12 266	59 338	22 056	81 337	D
31181	Bread and bakery product manufacturing	2	33	5	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	2	9	4	601	21 935	372	769	11 200	54 331	19 645	73 919	D
322	Paper manufacturing	3	28	20	1 273	43 889	1 000	2 047	27 978	143 535	136 684	288 422	2 591
3222	Converted paper product manufacturing	3	28	20	1 273	43 889	1 000	2 047	27 978	143 535	136 684	288 422	2 591
32221	Paperboard container manufacturing	2	19	12	751	24 162	624	1 331	17 341	57 246	68 408	126 701	1 079
323	Printing and related support activities	2	122	25	2 124	81 064	1 437	2 636	47 451	179 073	83 505	261 140	5 269
3231	Printing and related support activities	2	122	25	2 124	81 064	1 437	2 636	47 451	179 073	83 505	261 140	5 269
32311	Printing	2	103	23	1 803	70 969	1 185	2 119	40 932	160 800	77 427	236 514	4 472
323110	Commercial lithographic printing	3	62	19	1 358	54 024	901	1 607	32 114	117 322	57 397	174 290	3 498
325	Chemical manufacturing	1	51	21	2 746	143 520	1 284	2 675	57 220	509 587	513 282	1 024 611	23 117
3255	Paint, coating, and adhesive manufacturing	2	13	6	g	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	—	11	4	1 249	70 184	406	770	23 885	142 889	247 105	388 207	D
325510	Paint and coating manufacturing	—	11	4	1 249	70 184	406	770	23 885	142 889	247 105	388 207	D
326	Plastics and rubber products manufacturing	1	31	12	1 170	35 068	947	1 786	23 484	81 014	69 928	150 527	5 325
3261	Plastics product manufacturing ..	2	24	10	1 023	29 937	827	1 530	19 952	72 981	62 699	135 400	D
32619	Other plastics product manufacturing	2	13	6	594	19 110	458	917	12 173	50 547	38 640	89 409	2 560
326199	All other plastics product manufacturing	2	13	6	594	19 110	458	917	12 173	50 547	38 640	89 409	2 560

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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND—Con.													
331	Primary metal manufacturing	—	34	18	1 095	46 636	832	1 704	29 111	138 497	176 347	315 368	6 038
3315	Foundries	2	20	10	652	26 346	509	1 116	16 731	55 814	40 283	96 459	1 955
332	Fabricated metal product manufacturing	1	368	89	7 391	277 893	5 506	11 085	175 039	598 558	470 283	1 069 904	71 036
3321	Forging and stamping	1	32	12	1 244	57 376	886	1 827	34 751	109 638	144 456	253 254	8 586
33211	Forging and stamping	1	32	12	1 244	57 376	886	1 827	34 751	109 638	144 456	253 254	8 586
332111	Iron and steel forging	—	6	6	f	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	1	14	5	632	21 419	449	881	12 241	37 154	26 526	62 624	1 012
33261	Spring and wire product manufacturing	1	14	5	632	21 419	449	881	12 241	37 154	26 526	62 624	1 012
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	125	22	1 629	63 592	1 287	2 487	44 598	133 617	72 188	207 159	38 255
33271	Machine shops	4	98	16	1 004	37 415	778	1 406	24 867	73 775	26 451	100 917	D
332710	Machine shops	4	98	16	1 004	37 415	778	1 406	24 867	73 775	26 451	100 917	D
33272	Turned product and screw, nut, and bolt manufacturing	—	27	6	625	26 177	509	1 081	19 731	59 842	45 737	106 242	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	10	5	522	22 826	427	916	17 356	52 193	41 852	95 196	D
3328	Coating, engraving, heat treating, and allied activities	2	96	28	1 923	64 044	1 458	2 939	40 456	163 450	98 926	261 585	10 230
33281	Coating, engraving, heat treating, and allied activities ..	2	96	28	1 923	64 044	1 458	2 939	40 456	163 450	98 926	261 585	10 230
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	19	8	724	26 435	526	1 066	15 670	88 692	70 612	159 599	4 833
332813	Electroplating, plating, polishing, anodizing, and coloring	1	56	16	931	27 603	726	1 424	18 199	52 679	20 422	72 088	4 360
3329	Other fabricated metal product manufacturing	2	32	9	727	26 188	558	1 174	17 953	54 149	43 186	97 139	4 446
333	Machinery manufacturing	3	125	41	3 430	145 590	2 072	4 236	73 472	305 967	220 910	531 481	9 792
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	7	4	665	32 678	273	628	10 889	42 777	46 370	91 561	1 299
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	7	4	665	32 678	273	628	10 889	42 777	46 370	91 561	1 299
333414	Heating equipment (except warm air furnaces) manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	3	65	16	1 092	47 233	740	1 530	27 806	71 985	37 817	113 246	2 364
33351	Metalworking machinery manufacturing	3	65	16	1 092	47 233	740	1 530	27 806	71 985	37 817	113 246	2 364
3336	Engine, turbine, and power transmission equipment manufacturing	1	8	5	512	19 906	285	605	10 244	35 940	28 969	64 039	D
33361	Engine, turbine, and power transmission equipment manufacturing	1	8	5	512	19 906	285	605	10 244	35 940	28 969	64 039	D
334	Computer and electronic product manufacturing	—	31	13	969	36 470	582	1 153	14 829	71 823	65 559	137 827	6 543
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	16	8	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	16	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	1	25	11	1 573	59 082	1 118	2 010	37 237	164 989	102 218	268 588	3 207
336	Transportation equipment manufacturing	1	43	22	3 218	146 775	2 199	4 296	84 577	297 853	295 527	610 165	40 427
3363	Motor vehicle parts manufacturing	1	35	19	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	1	20	14	1 855	73 383	1 359	2 463	43 974	160 371	146 156	310 155	33 311
336370	Motor vehicle metal stamping	1	20	14	1 855	73 383	1 359	2 463	43 974	160 371	146 156	310 155	33 311

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CLEVELAND—Con.													
336	Transportation equipment manufacturing—Con.												
3364	Aerospace product and parts manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	4	70	19	1 529	53 992	1 036	2 011	27 558	122 066	90 306	215 153	3 786
3399	Other miscellaneous manufacturing	3	57	13	1 078	35 673	731	1 407	18 882	78 541	67 535	148 822	D
33999	All other miscellaneous manufacturing	1	30	8	725	23 483	516	978	12 973	43 925	42 419	90 809	D
CLYDE													
31-33	Manufacturing	—	8	3	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	h	D	D	D	D	D	D	D	D
COLUMBIANA													
31-33	Manufacturing	1	31	9	612	17 993	482	1 036	11 443	41 358	37 741	80 660	4 539
COLUMBUS													
31-33	Manufacturing	1	675	242	32 468	1 295 073	21 041	40 966	742 165	5 606 792	5 165 661	10 865 933	230 130
311	Food manufacturing	—	53	24	4 628	187 427	2 972	6 307	120 851	1 451 305	737 682	2 195 979	39 419
3111	Animal food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
311111	Dog and cat food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	27	5	1 518	53 627	786	1 339	25 010	64 730	108 409	174 876	3 937
31181	Bread and bakery product manufacturing	—	25	5	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	4	4	1 339	49 147	680	1 202	23 208	55 996	101 599	159 094	D
3119	Other food manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	3	7	5	2 437	103 167	1 110	2 294	44 784	790 429	750 092	1 542 704	34 544
3121	Beverage manufacturing	3	7	5	2 437	103 167	1 110	2 294	44 784	790 429	750 092	1 542 704	34 544
31211	Soft drink and ice manufacturing	7	4	4	g	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	7	3	3	g	D	D	D	D	D	D	D	D
31212	Breweries	—	2	1	f	D	D	D	D	D	D	D	D
312120	Breweries	—	2	1	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	106	29	2 026	72 924	1 473	2 826	46 667	160 120	94 684	253 723	11 371
3231	Printing and related support activities	1	106	29	2 026	72 924	1 473	2 826	46 667	160 120	94 684	253 723	11 371
32311	Printing	1	92	26	1 770	63 151	1 288	2 514	40 780	141 739	91 460	232 205	9 111
323110	Commercial lithographic printing	1	41	21	1 293	49 032	982	1 943	33 372	102 415	77 294	179 448	6 708
325	Chemical manufacturing	—	34	14	2 497	128 549	1 491	3 043	57 558	507 917	627 613	1 130 356	39 490
3254	Pharmaceutical and medicine manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	9	6	f	D	D	D	D	D	D	D	8 568
32552	Adhesive manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
325520	Adhesive manufacturing	—	5	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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBUS—Con.													
326	Plastics and rubber products manufacturing	-	43	20	2 929	109 023	2 176	4 389	68 414	194 295	254 239	461 592	D
3261	Plastics product manufacturing ..	-	38	19	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	22	12	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	21	12	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	33	14	1 489	62 641	1 074	2 227	40 750	168 204	105 099	276 763	9 272
3272	Glass and glass product manufacturing	-	9	4	783	33 647	657	1 344	26 778	94 669	33 067	131 410	D
32721	Glass and glass product manufacturing	-	9	4	783	33 647	657	1 344	26 778	94 669	33 067	131 410	D
327212	Other pressed and blown glass and glassware manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	9	2	g	D	D	D	D	D	D	D	D
3315	Foundries	-	6	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	3	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	1	124	42	3 125	123 790	2 330	4 956	82 514	344 434	350 103	695 789	15 541
3323	Architectural and structural metals manufacturing	2	31	11	702	26 695	478	930	16 078	66 998	42 133	109 440	2 994
33232	Ornamental and architectural metal products manufacturing	1	22	8	f	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	-	10	4	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	46	20	2 301	111 333	1 255	2 493	43 714	304 583	226 981	540 115	13 158
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	3	2	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	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	15	5	554	25 111	283	512	10 694	79 080	67 985	147 525	D
33399	All other general purpose machinery manufacturing	-	13	4	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	26	10	h	D	D	D	D	D	D	D	13 590
3342	Communications equipment manufacturing	-	4	1	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
335	Electrical equipment, appliance, and component manufacturing	-	9	4	880	30 179	633	1 223	17 474	60 676	47 854	107 712	D
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
336	Transportation equipment manufacturing	2	23	15	2 146	75 487	1 690	2 915	51 708	232 490	499 109	729 704	19 818
3363	Motor vehicle parts manufacturing	2	16	10	g	D	D	D	D	D	D	D	19 336
33636	Motor vehicle seating and interior trim manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	9	6	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	9	6	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
COLUMBUS—Con.													
337	Furniture and related product manufacturing	1	32	9	800	30 568	536	960	17 853	65 741	57 498	119 714	D
339	Miscellaneous manufacturing	1	71	17	1 287	48 757	858	1 703	25 036	108 978	83 146	191 270	D
3399	Other miscellaneous manufacturing	1	43	13	903	34 760	623	1 246	19 579	66 551	57 916	123 344	D
33995	Sign manufacturing	2	22	9	502	20 088	313	614	9 889	35 273	26 734	61 451	1 169
339950	Sign manufacturing	2	22	9	502	20 088	313	614	9 889	35 273	26 734	61 451	1 169
CONNEAUT													
31-33	Manufacturing	1	32	12	1 701	54 338	1 417	2 979	41 110	121 222	131 470	253 502	6 844
326	Plastics and rubber products manufacturing	4	5	4	713	20 939	604	1 194	15 412	43 289	34 625	79 283	2 611
3261	Plastics product manufacturing ..	4	5	4	713	20 939	604	1 194	15 412	43 289	34 625	79 283	2 611
32619	Other plastics product manufacturing	4	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	4	3	3	f	D	D	D	D	D	D	D	D
COSHOCTON													
31-33	Manufacturing	—	26	14	2 463	85 977	1 844	3 506	54 009	260 551	281 031	534 342	D
326	Plastics and rubber products manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
CUYAHOGA FALLS													
31-33	Manufacturing	1	77	30	2 917	101 494	2 440	4 879	76 860	386 562	245 431	630 074	20 650
325	Chemical manufacturing	—	4	3	723	24 558	645	1 332	19 725	136 727	92 551	227 799	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
325611	Soap and other detergent manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	7	7	757	24 138	611	1 302	17 701	77 687	72 092	149 221	D
3261	Plastics product manufacturing ..	—	5	5	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	5	16	8	526	20 154	451	913	16 132	67 128	16 730	84 220	2 823
DAYTON													
31-33	Manufacturing	1	344	126	15 000	578 896	11 284	21 711	399 331	1 901 713	1 298 815	3 195 503	94 680
311	Food manufacturing	—	13	6	876	36 086	457	976	18 662	95 627	141 868	236 515	D
323	Printing and related support activities	5	47	9	724	27 121	509	990	15 902	63 518	30 812	93 729	3 337
3231	Printing and related support activities	5	47	9	724	27 121	509	990	15 902	63 518	30 812	93 729	3 337
32311	Printing	5	40	8	f	D	D	D	D	D	D	D	2 999
325	Chemical manufacturing	—	11	7	551	23 520	350	656	12 637	61 215	54 035	112 241	4 906
326	Plastics and rubber products manufacturing	—	13	6	1 169	43 098	1 000	1 921	34 736	160 072	90 989	247 144	6 819
3262	Rubber product manufacturing ...	—	4	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	111	37	2 724	103 713	2 000	3 965	66 768	240 233	148 017	387 211	9 288
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	44	12	723	22 636	563	1 011	17 004	50 416	26 076	75 443	1 686
3328	Coating, engraving, heat treating, and allied activities	—	23	7	551	18 462	385	760	11 268	40 088	13 347	53 319	3 521
33281	Coating, engraving, heat treating, and allied activities ..	—	23	7	551	18 462	385	760	11 268	40 088	13 347	53 319	3 521

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DAYTON—Con.													
333	Machinery manufacturing	5	50	20	2 081	88 130	1 392	2 909	51 853	109 949	89 181	220 514	8 391
3335	Metalworking machinery manufacturing	4	36	15	1 017	46 719	763	1 576	32 891	96 037	42 102	137 569	D
33351	Metalworking machinery manufacturing	4	36	15	1 017	46 719	763	1 576	32 891	96 037	42 102	137 569	D
333514	Special die and tool, die set, jig, and fixture manufacturing	—	19	9	f	D	D	D	D	D	D	D	5 375
3339	Other general purpose machinery manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	19	13	3 733	163 496	3 238	6 417	137 380	891 383	475 658	1 361 189	24 556
3363	Motor vehicle parts manufacturing	—	14	9	h	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	22	7	520	17 625	355	775	10 250	48 866	39 526	84 500	1 072
DEFIANCE													
31-33	Manufacturing	—	26	9	3 916	249 555	3 373	6 707	212 496	423 961	339 202	769 307	D
327	Nonmetallic mineral product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing ..	—	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3315	Foundries	—	1	1	h	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	—	1	1	h	D	D	D	D	D	D	D	D
331511	Iron foundries	—	1	1	h	D	D	D	D	D	D	D	D
DELAWARE													
31-33	Manufacturing	—	37	18	2 461	109 193	1 283	2 384	41 004	227 477	423 771	655 037	12 833
325	Chemical manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
DELPHOS													
31-33	Manufacturing	—	20	9	f	D	D	D	D	D	D	D	D
DELTA													
31-33	Manufacturing	—	11	6	585	27 157	435	991	18 284	120 655	337 275	461 835	5 037
DOVER													
31-33	Manufacturing	—	33	12	1 801	70 430	1 228	2 281	37 150	223 554	216 702	438 908	13 715

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
DUBLIN													
31-33	Manufacturing	-	29	12	1 970	88 612	1 050	2 323	32 312	170 216	63 758	234 791	12 862
339	Miscellaneous manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	-	2	2	g	D	D	D	D	D	D	D	D
EAST CLEVELAND													
31-33	Manufacturing	-	10	3	618	24 225	484	977	18 660	114 043	14 708	128 459	D
EASTLAKE													
31-33	Manufacturing	2	96	18	1 824	69 153	1 362	2 662	49 861	173 303	90 644	246 586	7 723
332	Fabricated metal product manufacturing	3	49	6	542	20 711	415	863	13 993	40 637	20 360	59 646	D
EAST LIVERPOOL													
31-33	Manufacturing	3	20	6	667	20 624	546	977	14 344	42 632	25 151	68 323	1 125
EATON													
31-33	Manufacturing	1	14	6	1 591	60 689	986	2 093	30 315	172 562	214 809	390 716	23 323
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
32619	Other plastics product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	1	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
ELYRIA													
31-33	Manufacturing	-	126	49	8 277	308 006	6 159	12 012	193 254	965 346	787 085	1 753 402	50 421
326	Plastics and rubber products manufacturing	4	12	8	806	27 959	602	1 019	18 916	71 157	67 541	137 418	2 834
3261	Plastics product manufacturing ..	5	11	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	3	45	14	1 435	58 388	1 063	2 215	38 432	114 853	67 791	179 954	9 103
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	6	20	5	553	22 289	423	874	15 591	53 152	26 588	76 824	2 762
333	Machinery manufacturing	-	19	7	1 437	64 009	838	1 577	28 564	247 870	127 650	379 049	5 825
3335	Metalworking machinery manufacturing	-	9	3	f	D	D	D	D	D	D	D	4 272
33351	Metalworking machinery manufacturing	-	9	3	f	D	D	D	D	D	D	D	4 272
333512	Machine tool (metal cutting types) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	10	7	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
ENGLEWOOD													
31-33	Manufacturing	6	24	14	f	D	D	D	D	D	D	D	4 699

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
EUCLID													
31-33	Manufacturing	1	94	38	5 215	257 540	3 047	4 886	122 269	819 722	386 674	1 213 552	29 497
331	Primary metal manufacturing	3	6	5	528	25 536	416	782	18 867	55 828	47 349	103 210	D
332	Fabricated metal product manufacturing	-	30	9	f	D	D	D	D	D	D	D	1 341
333	Machinery manufacturing	1	20	12	2 996	160 095	1 591	2 204	71 806	587 393	232 214	822 629	D
3339	Other general purpose machinery manufacturing	-	6	4	g	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
333992	Welding and soldering equipment manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
EVENDALE													
31-33	Manufacturing	-	24	15	7 957	516 894	2 749	6 220	143 278	2 605 688	2 718 026	5 362 917	D
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
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
FAIRBORN													
31-33	Manufacturing	-	10	5	f	D	D	D	D	D	D	D	7 275
FAIRFIELD													
31-33	Manufacturing	1	84	33	2 780	101 846	2 076	4 286	65 221	305 118	246 146	546 859	51 196
332	Fabricated metal product manufacturing	2	21	7	678	27 384	539	1 094	18 965	65 679	36 875	103 204	2 465
FINDLAY													
31-33	Manufacturing	-	60	29	6 862	262 201	4 697	8 693	153 301	613 832	746 001	1 367 718	87 451
326	Plastics and rubber products manufacturing	-	11	10	3 001	148 623	1 636	2 995	69 651	285 203	240 176	533 367	D
3261	Plastics product manufacturing ..	-	8	7	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	3	3	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	15	11	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	12	9	h	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
33634	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
FOREST PARK													
31-33	Manufacturing	4	31	11	706	26 552	519	1 143	16 870	56 947	33 309	90 572	3 921

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
FOSTORIA													
31-33	Manufacturing	-	32	19	2 316	97 058	1 673	3 507	66 385	368 767	328 882	698 706	13 501
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
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
FRANKLIN													
31-33	Manufacturing	-	51	27	2 170	80 462	1 690	3 591	55 586	285 213	375 201	649 130	15 537
322	Paper manufacturing	-	7	7	697	23 850	592	1 308	17 791	79 129	73 880	150 453	4 091
3222	Converted paper product manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
FREMONT													
31-33	Manufacturing	1	56	26	3 428	118 518	2 725	5 457	87 204	520 178	502 394	1 021 176	22 360
311	Food manufacturing	-	7	3	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	-	2	2	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	6	5	f	D	D	D	D	D	D	D	D
GAHANNA													
31-33	Manufacturing	2	27	8	729	26 688	450	894	13 720	83 090	69 825	153 783	2 916
GALION													
31-33	Manufacturing	2	31	14	g	D	D	D	D	D	D	D	2 854
GALLIPOLIS													
31-33	Manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
GARFIELD HEIGHTS													
31-33	Manufacturing	3	43	19	1 560	56 795	1 186	2 456	36 201	132 993	100 164	233 246	6 448
332	Fabricated metal product manufacturing	5	14	7	627	21 709	444	900	11 625	49 968	34 687	83 893	1 525
GIRARD													
31-33	Manufacturing	-	18	5	800	26 467	646	1 249	16 718	72 139	85 109	155 896	2 691
GREEN													
31-33	Manufacturing	1	40	19	1 464	47 526	1 102	2 203	30 705	133 734	121 470	253 548	7 072
GREENFIELD													
31-33	Manufacturing	-	12	8	791	24 824	645	1 300	17 228	61 076	42 793	104 122	11 756
GREENVILLE													
31-33	Manufacturing	-	25	12	2 486	84 544	2 044	4 309	62 543	344 139	346 185	695 858	6 700
335	Electrical equipment, appliance, and component manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
GROVE CITY													
31-33	Manufacturing	-	32	14	1 483	65 478	1 129	2 009	44 115	169 192	138 451	305 881	8 606
GROVEPORT													
31-33	Manufacturing	-	15	11	787	29 065	624	1 236	21 632	77 012	67 916	144 627	6 761

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HAMILTON													
31-33	Manufacturing	1	84	29	2 948	119 861	2 155	4 359	72 261	399 594	346 844	749 780	27 326
322	Paper manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	3	3	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	3	3	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	3	3	g	D	D	D	D	D	D	D	D
HARRISON													
31-33	Manufacturing	1	29	15	1 568	53 201	1 019	2 027	26 862	155 258	118 207	272 599	8 137
333	Machinery manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
HEATH													
31-33	Manufacturing	-	18	8	1 048	52 395	829	1 729	36 985	166 663	215 330	382 473	9 765
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
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
HICKSVILLE													
31-33	Manufacturing	2	10	8	785	25 889	598	1 121	16 381	77 102	70 120	148 419	D
HIGHLAND HEIGHTS													
31-33	Manufacturing	-	30	14	2 160	89 618	1 108	2 217	39 886	399 094	341 579	745 725	21 021
332	Fabricated metal product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	4	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
HILLIARD													
31-33	Manufacturing	2	38	18	1 541	61 053	1 144	2 211	37 462	150 445	108 087	257 727	5 876
HILLSBORO													
31-33	Manufacturing	-	17	6	1 230	37 966	1 079	2 163	30 052	121 376	159 577	280 377	8 705
335	Electrical equipment, appliance, and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	-	1	1	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
HUBER HEIGHTS													
31-33	Manufacturing	1	35	15	g	D	D	D	D	D	D	D	11 337

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HUDSON													
31-33	Manufacturing	-	32	10	2 089	70 889	1 465	2 515	35 969	245 952	111 753	349 331	24 774
332	Fabricated metal product manufacturing	1	6	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	3	1	g	D	D	D	D	D	D	D	D
33993	Doll, toy, and game manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
HURON													
31-33	Manufacturing	-	16	5	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
32615	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326150	Urethane and other foam product (except polystyrene) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
INDEPENDENCE													
31-33	Manufacturing	2	24	14	1 467	71 563	623	1 271	21 601	167 793	112 550	279 474	27 350
334	Computer and electronic product manufacturing	6	4	4	615	34 413	162	304	7 845	67 267	30 687	99 284	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	6	3	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ..	6	3	3	f	D	D	D	D	D	D	D	D
JACKSON													
31-33	Manufacturing	1	14	7	1 365	34 966	1 185	2 594	25 186	208 973	149 694	359 397	D
311	Food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
JEFFERSON													
31-33	Manufacturing	1	9	5	501	16 266	303	680	9 954	38 325	61 496	100 185	914
KENT													
31-33	Manufacturing	1	67	25	1 936	63 361	1 477	2 978	41 564	101 701	182 106	290 191	15 456
326	Plastics and rubber products manufacturing	3	11	8	f	D	D	D	D	D	D	D	D
KENTON													
31-33	Manufacturing	-	8	5	f	D	D	D	D	D	D	D	D
KETTERING													
31-33	Manufacturing	-	49	14	h	D	D	D	D	D	D	D	15 420
334	Computer and electronic product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	-	2	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
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
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LAKEWOOD													
31-33	Manufacturing	1	33	8	749	34 776	482	970	18 112	64 437	40 659	104 162	5 592
LANCASTER													
31-33	Manufacturing	-	59	21	3 680	125 425	2 895	5 843	86 673	293 721	251 131	549 164	22 064
327	Nonmetallic mineral product manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	18	5	734	29 444	484	1 016	19 170	63 768	79 212	145 840	D
LEBANON													
31-33	Manufacturing	-	49	28	2 837	103 075	2 037	4 256	66 190	199 963	355 375	557 924	48 366
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
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
LEXINGTON													
31-33	Manufacturing	1	11	7	1 754	48 517	1 323	1 993	31 545	126 336	143 575	267 747	D
334	Computer and electronic product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	-	1	1	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
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
LIMA													
31-33	Manufacturing	-	40	13	i	D	D	D	D	D	D	D	28 210
332	Fabricated metal product manufacturing	-	9	6	630	17 322	495	1 063	13 198	39 459	23 821	63 243	D
336	Transportation equipment manufacturing	-	3	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
LOGAN													
31-33	Manufacturing	2	17	9	1 174	39 674	1 018	1 944	32 524	120 556	86 834	206 951	6 099

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LONDON													
31-33	Manufacturing	-	11	7	g	D	D	D	D	D	D	D	10 239
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
336321	Vehicular lighting equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
LORAIN													
31-33	Manufacturing	-	53	18	5 977	318 943	4 787	10 867	270 798	1 162 524	2 527 422	3 706 992	65 543
331	Primary metal manufacturing	-	6	3	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	1	1	h	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
336	Transportation equipment manufacturing	-	3	3	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
336112	Light truck and utility vehicle manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
LORDSTOWN													
31-33	Manufacturing	-	10	2	i	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	2	i	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
3363	Motor vehicle parts manufacturing	-	1	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
LOUISVILLE													
31-33	Manufacturing	-	11	5	f	D	D	D	D	D	D	D	8 792
LOVELAND													
31-33	Manufacturing	1	29	7	544	18 744	376	727	8 918	59 046	33 084	90 624	2 469
MACEDONIA													
31-33	Manufacturing	5	46	21	2 419	76 643	1 968	3 684	52 175	185 713	189 663	375 368	6 789

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MANSFIELD													
31-33	Manufacturing	-	117	55	6 940	259 552	5 347	10 817	183 660	733 654	760 718	1 483 097	71 557
332	Fabricated metal product manufacturing	-	33	16	1 268	36 809	1 089	2 108	28 140	86 791	65 930	154 264	2 720
333	Machinery manufacturing	-	15	7	948	38 430	510	886	18 304	83 113	90 860	172 224	D
3339	Other general purpose machinery manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	2	2	g	D	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	9	8	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	8	7	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	1	5	5	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	1	5	5	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
MARIEMONT													
31-33	Manufacturing	7	5	5	f	D	D	D	D	D	D	D	D
MARIETTA													
31-33	Manufacturing	4	37	12	1 389	51 150	959	1 804	31 450	163 793	184 636	343 461	D
MARION													
31-33	Manufacturing	-	44	20	2 483	81 720	1 879	3 740	54 264	365 929	713 725	1 073 068	20 683
331	Primary metal manufacturing	-	5	2	512	21 193	384	781	14 494	64 790	70 024	129 654	2 559
MARTINS FERRY													
31-33	Manufacturing	-	13	5	f	D	D	D	D	D	D	D	287
332	Fabricated metal product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	-	3	2	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	3	2	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	-	2	2	f	D	D	D	D	D	D	D	D
MARYSVILLE													
31-33	Manufacturing	-	16	10	g	D	D	D	D	D	D	D	D
MASON													
31-33	Manufacturing	-	41	27	4 996	202 814	3 335	6 500	110 762	468 620	605 399	1 101 562	33 020
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
32619	Other plastics product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	12	8	962	34 854	742	1 448	23 831	81 396	56 996	138 014	4 931
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

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MASSILLON													
31-33	Manufacturing	-	70	35	4 829	164 844	3 581	6 827	109 448	698 106	737 024	1 437 958	33 602
311	Food manufacturing	-	6	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	5	5	f	D	D	D	D	D	D	D	1 234
332	Fabricated metal product manufacturing	1	13	6	1 210	47 308	913	1 845	33 493	119 078	169 868	288 646	7 066
MAUMEE													
31-33	Manufacturing	-	35	13	2 923	120 178	2 198	2 619	73 127	278 711	305 924	594 996	14 744
325	Chemical manufacturing	-	5	3	557	33 550	190	387	10 081	91 714	119 493	224 041	D
336	Transportation equipment manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	2	2	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	2	2	g	D	D	D	D	D	D	D	D
MEDINA													
31-33	Manufacturing	1	78	33	3 681	143 219	2 805	5 640	95 615	287 902	530 020	818 788	35 778
332	Fabricated metal product manufacturing	3	22	8	716	30 200	514	1 126	21 030	40 293	59 289	98 049	6 015
MENTOR													
31-33	Manufacturing	1	246	79	7 969	308 085	5 327	10 548	160 235	784 002	627 245	1 415 860	42 548
326	Plastics and rubber products manufacturing	2	15	7	709	23 605	571	1 092	14 495	65 008	48 520	113 109	3 049
3261	Plastics product manufacturing ..	2	13	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	11	5	578	19 887	458	869	11 601	56 914	41 916	98 022	D
326199	All other plastics product manufacturing	2	10	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	91	21	1 469	50 258	1 141	2 195	34 773	106 910	62 115	167 563	4 061
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	65	12	991	33 718	803	1 494	23 633	76 825	38 497	113 774	2 687
33272	Turned product and screw, nut, and bolt manufacturing	-	14	7	601	19 474	514	919	14 504	45 548	24 343	68 581	1 083
332721	Precision turned product manufacturing	-	12	7	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	45	13	1 428	62 880	917	1 874	31 860	94 068	118 393	221 473	7 257
3339	Other general purpose machinery manufacturing	-	13	4	530	25 492	323	700	11 555	23 352	80 530	112 587	D
336	Transportation equipment manufacturing	-	13	6	650	28 904	472	950	15 864	62 034	36 619	97 389	4 921
339	Miscellaneous manufacturing	-	17	8	1 580	64 938	828	1 638	21 527	211 559	69 207	281 487	14 083
3391	Medical equipment and supplies manufacturing	-	8	4	1 055	49 280	440	943	12 393	183 615	54 328	236 622	D
33911	Medical equipment and supplies manufacturing	-	8	4	1 055	49 280	440	943	12 393	183 615	54 328	236 622	D
339113	Surgical appliance and supplies manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	9	4	525	15 658	388	695	9 134	27 944	14 879	44 865	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MIAMISBURG													
31-33	Manufacturing	2	43	20	3 718	160 137	2 097	4 271	70 529	361 803	297 368	665 464	9 120
323	Printing and related support activities	-	7	5	1 128	55 097	432	850	18 416	128 223	94 237	223 358	3 163
3231	Printing and related support activities	-	7	5	1 128	55 097	432	850	18 416	128 223	94 237	223 358	3 163
32311	Printing	-	6	4	g	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	9	2	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	9	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	15	6	978	49 869	495	1 074	19 484	96 135	24 678	120 572	502
3329	Other fabricated metal product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
MIDDLEBURG HEIGHTS													
31-33	Manufacturing	1	28	10	669	28 568	396	787	12 837	77 176	50 428	127 110	5 788
MIDDLETOWN													
31-33	Manufacturing	-	69	30	6 314	331 182	5 049	11 001	254 833	487 243	1 799 285	2 278 689	52 236
322	Paper manufacturing	-	11	10	1 387	56 625	1 054	2 346	37 814	241 430	223 275	464 482	6 646
3222	Converted paper product manufacturing	-	8	7	990	35 025	765	1 652	23 072	85 449	142 069	225 602	D
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	2 822
331	Primary metal manufacturing	-	4	4	h	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	2	2	h	D	D	D	D	D	D	D	D
MINERVA													
31-33	Manufacturing	-	12	7	772	31 992	617	1 151	25 335	97 809	49 473	148 120	6 838
MINGO JUNCTION													
31-33	Manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	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
MINSTER													
31-33	Manufacturing	-	17	8	1 073	47 407	652	1 437	24 681	338 151	193 823	538 257	10 704
MOGADORE													
31-33	Manufacturing	-	16	9	1 258	45 660	1 002	2 195	31 245	208 612	200 144	403 375	D
326	Plastics and rubber products manufacturing	-	4	3	f	D	D	D	D	D	D	D	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
MONROE													
31-33	Manufacturing	-	18	9	1 383	54 765	955	2 030	32 165	171 467	192 979	363 064	10 566
326	Plastics and rubber products manufacturing	1	3	3	f	D	D	D	D	D	D	D	5 576
3261	Plastics product manufacturing	1	3	3	f	D	D	D	D	D	D	D	5 576
332	Fabricated metal product manufacturing	-	9	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MONTPELIER													
31-33	Manufacturing	2	23	12	1 721	64 473	1 328	2 441	43 964	163 326	315 115	479 110	D
MORaine													
31-33	Manufacturing	-	62	20	i	D	D	D	D	D	D	D	112 093
333	Machinery manufacturing	-	8	5	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	3	i	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
336112	Light truck and utility vehicle manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	5	2	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	3	1	g	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
MOUNT VERNON													
31-33	Manufacturing	-	30	19	3 302	146 430	2 231	4 052	76 015	311 520	494 728	786 933	43 355
333	Machinery manufacturing	-	4	3	g	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
333611	Turbine and turbine generator set units manufacturing	-	1	1	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
33634	Motor vehicle brake system manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
NAPoleon													
31-33	Manufacturing	-	18	9	f	D	D	D	D	D	D	D	3 154
NEWARK													
31-33	Manufacturing	2	47	12	2 070	59 999	1 721	3 109	42 199	286 656	221 416	508 320	6 520
332	Fabricated metal product manufacturing	1	16	4	728	17 596	645	1 117	12 708	35 132	32 490	67 655	D
3328	Coating, engraving, heat treating, and allied activities	-	2	2	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	2	2	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	-	2	2	f	D	D	D	D	D	D	D	D
NEW BREMEN													
31-33	Manufacturing	-	10	4	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	3	3	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
33392	Material handling equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery 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.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEWCOMERSTOWN													
31-33	Manufacturing	-	17	10	1 004	30 596	820	1 433	20 806	86 153	80 604	163 690	D
326	Plastics and rubber products manufacturing	-	7	5	720	22 022	571	971	14 050	66 347	72 317	135 737	D
3261	Plastics product manufacturing ..	-	4	4	f	D	D	D	D	D	D	D	D
NEW PHILADELPHIA													
31-33	Manufacturing	4	26	11	1 797	63 612	1 184	2 304	36 589	158 127	154 239	295 525	10 457
333	Machinery manufacturing	8	2	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
NILES													
31-33	Manufacturing	1	37	19	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	5	4	672	34 380	429	1 013	20 923	96 731	130 066	236 347	10 038
332	Fabricated metal product manufacturing	2	16	11	845	26 693	672	1 389	18 886	66 416	65 731	131 222	2 567
NORTH BALTIMORE													
31-33	Manufacturing	-	9	5	1 015	40 675	774	1 576	27 143	112 785	261 312	378 763	16 794
NORTH CANTON													
31-33	Manufacturing	-	17	2	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
NORTH RIDGEVILLE													
31-33	Manufacturing	-	37	14	1 457	46 989	1 038	1 769	27 788	112 335	83 495	196 862	6 027
NORTH ROYALTON													
31-33	Manufacturing	1	83	15	1 032	35 571	791	1 411	22 899	63 477	50 460	113 989	3 882
NORTHWOOD													
31-33	Manufacturing	-	15	9	2 292	87 138	1 394	2 324	48 906	240 494	247 297	490 739	13 747
311	Food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	1	1	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
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
336	Transportation equipment manufacturing	1	4	4	582	25 221	415	810	16 258	37 329	138 538	179 095	5 085
3363	Motor vehicle parts manufacturing	1	4	4	582	25 221	415	810	16 258	37 329	138 538	179 095	5 085
NORTON													
31-33	Manufacturing	-	26	8	978	32 858	761	1 689	21 597	101 415	86 805	188 490	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NORWALK													
31-33	Manufacturing	1	42	21	3 075	105 056	2 485	5 039	75 206	244 514	197 963	448 394	7 576
337	Furniture and related product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
NORWOOD													
31-33	Manufacturing	-	35	15	2 825	99 347	2 016	3 512	59 334	258 427	198 235	463 540	16 686
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	7	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	7	2	f	D	D	D	D	D	D	D	D
32311	Printing	-	7	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	1	1	f	D	D	D	D	D	D	D	D
OAKWOOD VILLAGE													
31-33	Manufacturing	3	32	12	802	30 434	519	1 004	16 701	49 028	115 027	165 409	3 653
ONTARIO													
31-33	Manufacturing	-	13	8	3 196	190 318	2 632	5 255	161 012	353 924	451 696	803 346	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
33637	Motor vehicle metal stamping	-	1	1	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	g	D	D	D	D	D	D	D	D
OREGON													
31-33	Manufacturing	-	19	8	1 338	84 345	852	1 951	49 075	343 029	2 943 103	3 167 280	66 095
324	Petroleum and coal products manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	3	2	f	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
ORRVILLE													
31-33	Manufacturing	-	36	18	2 848	112 768	1 964	4 073	68 256	449 056	373 132	832 639	9 848
311	Food manufacturing	-	6	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
311421	Fruit and vegetable canning	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	4	8	5	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OTTAWA													
31-33	Manufacturing	-	11	6	1 938	69 297	1 705	3 476	56 972	65 444	380 429	463 960	9 695
334	Computer and electronic product manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
334411	Electron tube manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
OXFORD													
31-33	Manufacturing	-	9	2	f	D	D	D	D	D	D	D	D
PAINESVILLE													
31-33	Manufacturing	-	48	15	1 957	80 990	1 358	2 749	49 004	387 580	160 180	545 033	8 690
322	Paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
PARMA													
31-33	Manufacturing	-	50	12	4 107	262 198	3 555	7 502	226 771	477 932	389 740	868 587	10 051
336	Transportation equipment manufacturing	-	3	3	h	D	D	D	D	D	D	D	7 971
3363	Motor vehicle parts manufacturing	-	3	3	h	D	D	D	D	D	D	D	7 971
33637	Motor vehicle metal stamping ..	-	3	3	h	D	D	D	D	D	D	D	7 971
336370	Motor vehicle metal stamping	-	3	3	h	D	D	D	D	D	D	D	7 971
PERRYSBURG													
31-33	Manufacturing	2	42	15	1 408	64 608	922	1 930	33 436	252 192	223 853	472 105	D
332	Fabricated metal product manufacturing	-	10	5	623	24 489	446	917	15 449	158 750	102 579	257 183	3 525
PIQUA													
31-33	Manufacturing	-	65	30	3 977	147 184	2 908	5 864	91 178	396 381	404 081	797 264	22 059
326	Plastics and rubber products manufacturing	-	8	5	650	19 123	500	1 036	11 643	39 529	53 910	93 462	2 426
331	Primary metal manufacturing	-	8	7	1 188	48 950	934	2 015	34 417	122 462	161 179	274 019	3 132
3312	Steel product manufacturing from purchased steel	-	3	3	761	31 968	589	1 239	21 737	87 707	128 156	208 325	2 389
33121	Iron and steel pipe and tube manufacturing from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	10	6	760	29 327	464	908	14 353	73 856	58 805	136 827	3 503
RAVENNA													
31-33	Manufacturing	-	36	16	1 695	68 980	1 319	2 622	48 352	193 371	132 378	328 479	D
326	Plastics and rubber products manufacturing	-	10	7	605	24 017	405	817	12 971	73 267	56 766	135 013	5 412
3262	Rubber product manufacturing ...	-	7	6	529	20 952	353	711	11 034	66 734	51 877	122 886	D
READING													
31-33	Manufacturing	2	21	9	1 002	41 203	633	1 240	24 249	154 665	174 679	327 906	5 260
RITTMAN													
31-33	Manufacturing	-	11	7	f	D	D	D	D	D	D	D	D
ST. BERNARD													
31-33	Manufacturing	-	27	10	1 253	69 784	842	1 706	49 922	658 234	278 717	945 995	D
325	Chemical manufacturing	-	5	3	761	48 807	488	972	36 661	476 148	186 866	670 665	D

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ST. MARYS													
31-33	Manufacturing	-	23	10	2 159	86 180	1 775	3 536	64 406	178 624	425 766	606 584	27 357
326	Plastics and rubber products manufacturing	-	1	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
32629	Other rubber product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	1	1	f	D	D	D	D	D	D	D	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
SALEM													
31-33	Manufacturing	1	56	23	3 122	113 457	2 338	5 099	80 486	261 985	233 584	490 425	28 515
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
332	Fabricated metal product manufacturing	-	12	5	1 150	48 380	838	1 834	33 215	133 525	118 327	246 688	D
3329	Other fabricated metal product manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
332998	Enameled iron and metal sanitary ware manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	15	7	644	25 777	394	876	15 170	51 532	37 849	88 964	1 725
SANDUSKY													
31-33	Manufacturing	-	57	27	2 580	111 280	1 670	3 345	59 663	233 362	240 472	470 843	15 494
326	Plastics and rubber products manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	6	4	f	D	D	D	D	D	D	D	3 689
SHARONVILLE													
31-33	Manufacturing	-	60	24	4 582	311 491	3 565	8 226	244 619	1 097 136	892 326	1 948 527	88 050
336	Transportation equipment manufacturing	-	4	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
SHELBY													
31-33	Manufacturing	1	12	6	988	44 354	748	1 642	30 196	101 826	115 732	215 547	2 904
331	Primary metal manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SIDNEY													
31-33	Manufacturing	-	74	46	7 326	292 493	4 948	10 461	158 502	655 138	1 186 078	1 849 003	D
311	Food manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	4	4	f	D	D	D	D	D	D	D	D
3315	Foundries	1	3	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	3	3	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	1	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	25	10	f	D	D	D	D	D	D	D	3 758
3323	Architectural and structural metals manufacturing	-	8	4	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	-	7	4	549	18 112	456	997	14 982	48 082	88 884	138 218	D
332322	Sheet metal work manufacturing	-	7	4	549	18 112	456	997	14 982	48 082	88 884	138 218	D
333	Machinery manufacturing	1	11	10	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	2	2	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
SOLON													
31-33	Manufacturing	1	110	70	10 627	428 501	6 729	13 524	227 762	1 579 926	1 094 603	2 669 407	88 961
311	Food manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	4	3	528	19 523	419	797	13 045	60 407	76 559	137 270	4 274
3222	Converted paper product manufacturing	-	4	3	528	19 523	419	797	13 045	60 407	76 559	137 270	4 274
32221	Paperboard container manufacturing	-	4	3	528	19 523	419	797	13 045	60 407	76 559	137 270	4 274
325	Chemical manufacturing	4	19	16	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	4	15	14	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	4	14	13	g	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	4	14	13	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	15	9	2 213	89 211	1 218	2 379	39 617	342 222	188 454	539 400	23 715
3325	Hardware manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
SOLON—Con.													
333	Machinery manufacturing	—	20	12	1 776	75 804	1 142	2 284	45 140	116 760	92 749	211 055	2 624
3335	Metalworking machinery manufacturing	—	8	5	786	34 565	540	1 111	23 760	50 670	28 743	81 952	1 247
33351	Metalworking machinery manufacturing	—	8	5	786	34 565	540	1 111	23 760	50 670	28 743	81 952	1 247
333515	Cutting tool and machine tool accessory manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	5	3	587	22 739	388	721	12 444	9 448	2 186	11 401	D
334	Computer and electronic product manufacturing	—	16	10	1 207	60 354	498	978	19 732	87 944	81 651	176 188	6 176
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	8	5	1 042	54 487	392	815	17 105	78 375	72 992	157 736	5 812
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	8	5	1 042	54 487	392	815	17 105	78 375	72 992	157 736	5 812
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	—	3	2	f	D	D	D	D	D	D	D	D
SPRINGBORO													
31-33	Manufacturing	—	26	9	1 192	43 032	799	1 601	21 130	64 738	266 786	334 268	5 691
SPRINGDALE													
31-33	Manufacturing	—	30	17	3 440	118 289	2 556	5 116	71 091	997 640	525 600	1 530 148	26 098
326	Plastics and rubber products manufacturing	—	3	3	650	15 412	425	679	11 034	37 308	34 707	72 684	2 261
3261	Plastics product manufacturing ..	—	3	3	650	15 412	425	679	11 034	37 308	34 707	72 684	2 261
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
326111	Plastics bag manufacturing ..	—	2	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
3364	Aerospace product and parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	1	1	f	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
SPRINGFIELD													
31-33	Manufacturing	1	100	43	4 019	144 288	2 959	5 716	90 362	446 157	322 329	771 040	31 078
311	Food manufacturing	1	7	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	36	11	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	15	8	722	31 242	462	885	17 084	116 248	37 753	157 459	D
339	Miscellaneous manufacturing	—	7	2	f	D	D	D	D	D	D	D	D
STEUBENVILLE													
31-33	Manufacturing	—	15	5	f	D	D	D	D	D	D	D	1 761
331	Primary metal manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	1	1	f	D	D	D	D	D	D	D	D
STOW													
31-33	Manufacturing	3	52	17	1 777	76 066	1 204	2 448	43 063	135 152	97 280	230 678	5 068
333	Machinery manufacturing	6	11	5	508	23 285	386	842	16 555	43 387	25 761	69 391	1 090
STREETSBORO													
31-33	Manufacturing	—	37	24	2 795	93 524	2 144	4 372	58 939	373 352	252 832	636 694	13 019
326	Plastics and rubber products manufacturing	—	6	6	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	5	5	1 008	29 612	803	1 783	20 077	108 540	65 049	173 560	4 060
32619	Other plastics product manufacturing	—	5	5	1 008	29 612	803	1 783	20 077	108 540	65 049	173 560	4 060
326199	All other plastics product manufacturing	—	5	5	1 008	29 612	803	1 783	20 077	108 540	65 049	173 560	4 060

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
STRONGSVILLE													
31-33	Manufacturing	3	89	32	3 190	137 313	1 983	4 111	69 342	271 098	326 461	610 680	14 963
332	Fabricated metal product manufacturing	5	25	11	824	34 058	626	1 388	22 161	105 100	51 664	159 748	3 994
333	Machinery manufacturing	-	15	4	645	31 331	254	380	9 548	60 647	83 114	153 762	2 418
3332	Industrial machinery manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	6	4	2	531	19 889	454	988	16 034	27 159	86 122	113 272	D
3363	Motor vehicle parts manufacturing	6	4	2	531	19 889	454	988	16 034	27 159	86 122	113 272	D
STRUTHERS													
31-33	Manufacturing	1	15	5	551	15 798	461	971	11 570	54 978	71 744	127 060	2 181
SUNBURY													
31-33	Manufacturing	-	14	5	758	32 700	492	1 061	17 483	96 411	184 933	283 330	11 715
336	Transportation equipment manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
TALLMADGE													
31-33	Manufacturing	1	55	20	1 656	57 604	1 205	2 477	35 398	117 406	105 223	214 389	6 988
326	Plastics and rubber products manufacturing	3	7	5	645	20 086	504	1 031	12 589	37 553	41 434	72 576	D
3261	Plastics product manufacturing ..	3	5	4	f	D	D	D	D	D	D	D	D
TIFFIN													
31-33	Manufacturing	1	38	16	1 991	83 897	1 595	3 395	59 983	230 234	133 180	361 333	9 461
327	Nonmetallic mineral product manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	3	6	4	f	D	D	D	D	D	D	D	D
TIPP CITY													
31-33	Manufacturing	1	30	16	1 682	70 959	831	1 695	27 861	118 568	88 750	200 230	8 963
TOLEDO													
31-33	Manufacturing	-	421	140	22 933	1 255 558	19 129	38 663	1 027 527	2 613 639	6 385 505	9 038 852	84 430
311	Food manufacturing	-	26	6	g	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	-	2	2	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	55	14	1 028	36 316	647	1 318	19 624	79 820	53 668	133 269	6 024
3231	Printing and related support activities	2	55	14	1 028	36 316	647	1 318	19 624	79 820	53 668	133 269	6 024
32311	Printing	2	47	11	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	16	9	836	33 986	546	921	15 880	115 672	126 766	242 265	8 957
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	6	3	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	14	5	g	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	-	3	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]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TOLEDO—Con.													
332	Fabricated metal product manufacturing	2	110	34	2 288	86 144	1 763	3 516	57 641	218 782	106 097	318 700	7 416
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	46	10	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	40	8	512	21 002	391	741	14 551	38 745	13 328	52 053	D
332710	Machine shops	1	40	8	512	21 002	391	741	14 551	38 745	13 328	52 053	D
3328	Coating, engraving, heat treating, and allied activities	—	22	10	619	21 857	515	1 030	16 120	75 425	29 459	99 373	1 155
33281	Coating, engraving, heat treating, and allied activities ..	—	22	10	619	21 857	515	1 030	16 120	75 425	29 459	99 373	1 155
333	Machinery manufacturing	2	47	19	1 117	50 361	775	1 598	30 537	120 338	43 425	165 014	4 737
3335	Metalworking machinery manufacturing	1	26	13	699	31 937	518	1 100	21 941	61 573	22 337	84 808	2 175
33351	Metalworking machinery manufacturing	1	26	13	699	31 937	518	1 100	21 941	61 573	22 337	84 808	2 175
336	Transportation equipment manufacturing	—	21	15	12 453	851 340	11 344	23 321	768 480	1 104 159	5 380 886	6 534 550	34 212
3361	Motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	15	12	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	40	7	516	18 088	335	620	8 637	40 177	20 066	63 843	1 146
TORONTO													
31-33	Manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
TROY													
31-33	Manufacturing	—	61	27	4 979	203 781	3 346	7 245	126 294	647 593	819 884	1 477 424	59 967
333	Machinery manufacturing	—	13	7	952	33 251	562	1 124	16 111	82 541	137 316	225 589	D
3339	Other general purpose machinery manufacturing	—	3	3	529	20 073	246	512	7 209	55 408	86 233	147 197	D
33399	All other general purpose machinery manufacturing	—	3	3	529	20 073	246	512	7 209	55 408	86 233	147 197	D
334	Computer and electronic product manufacturing	—	4	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	3	1	g	D	D	D	D	D	D	D	D
334411	Electron tube manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	4	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
TWINSBURG													
31-33	Manufacturing	1	77	36	5 035	278 251	3 883	7 994	206 155	1 002 391	922 190	1 914 706	101 693
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
33637	Motor vehicle metal stamping ..	-	1	1	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	g	D	D	D	D	D	D	D	D
UPPER SANDUSKY													
31-33	Manufacturing	-	21	15	2 548	77 019	2 144	4 338	58 551	238 612	217 862	455 715	10 627
326	Plastics and rubber products manufacturing	-	5	4	g	D	D	D	D	D	D	D	4 720
3261	Plastics product manufacturing ..	-	3	2	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
327	Nonmetallic mineral product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	2	2	f	D	D	D	D	D	D	D	D
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
URBANA													
31-33	Manufacturing	-	30	16	g	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
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
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
VANDALIA													
31-33	Manufacturing	-	46	23	3 348	124 365	2 502	5 044	83 389	367 376	319 524	691 328	19 318
336	Transportation equipment manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	3	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
VAN WERT													
31-33	Manufacturing	-	21	13	3 166	99 338	2 641	5 261	76 538	264 723	265 317	525 457	12 459
332	Fabricated metal product manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
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	-	2	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, and sealing device manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
VERSAILLES													
31-33	Manufacturing	-	14	4	906	39 184	545	1 044	17 223	103 403	100 417	203 796	6 563
339	Miscellaneous manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
WADSWORTH													
31-33	Manufacturing	1	57	25	1 696	62 636	1 245	2 476	37 294	140 630	120 890	263 035	6 041
WAPAKONETA													
31-33	Manufacturing	-	19	10	1 059	37 337	818	1 604	25 033	84 242	79 839	166 878	12 082
WARREN													
31-33	Manufacturing	-	65	28	10 892	519 244	7 873	14 967	333 199	937 399	1 732 057	2 650 890	62 981
331	Primary metal manufacturing	-	5	5	2 586	123 514	1 947	3 958	86 383	365 266	605 987	945 235	12 989
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
332	Fabricated metal product manufacturing	-	16	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	4	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	2	2	i	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	2	2	i	D	D	D	D	D	D	D	D
WARRENSVILLE HEIGHTS													
31-33	Manufacturing	1	57	19	1 913	64 996	1 297	2 311	35 500	254 429	143 321	393 493	4 556
WASHINGTON													
31-33	Manufacturing	2	25	15	1 772	56 903	1 390	2 856	42 436	166 995	301 333	467 639	D
311	Food manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	6	5	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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NAICS code	Geographic area and industry	E ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WAUSEON													
31-33	Manufacturing	1	26	14	g	D	D	D	D	D	D	D	11 517
336	Transportation equipment manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	1	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
WAVERLY CITY													
31-33	Manufacturing	-	8	4	h	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	-	2	2	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	2	2	h	D	D	D	D	D	D	D	D
WELLINGTON													
31-33	Manufacturing	2	16	11	1 133	35 089	911	1 804	24 883	85 052	82 110	167 624	16 446
WELLSTON													
31-33	Manufacturing	-	6	3	g	D	D	D	D	D	D	D	D
311	Food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
WEST CARROLLTON CITY													
31-33	Manufacturing	-	42	17	3 134	131 350	2 224	4 111	78 219	329 743	560 483	895 112	15 468
322	Paper manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	12	5	f	D	D	D	D	D	D	D	1 340
333	Machinery manufacturing	1	10	5	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	7	4	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	7	4	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	2	5	4	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
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
WESTERVILLE													
31-33	Manufacturing	-	42	12	1 341	52 530	960	1 615	31 704	136 192	100 166	236 440	6 970
WEST JEFFERSON													
31-33	Manufacturing	-	8	5	f	D	D	D	D	D	D	D	D
WESTLAKE													
31-33	Manufacturing	1	61	19	1 871	64 511	1 332	2 654	41 005	200 396	180 307	380 018	8 580
332	Fabricated metal product manufacturing	-	14	5	513	22 676	403	873	16 570	64 886	77 732	145 916	3 339
WHITEHALL													
31-33	Manufacturing	-	9	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WICKLIFFE													
31-33	Manufacturing	1	57	16	2 871	129 448	1 481	3 067	53 711	331 986	167 372	505 458	17 336
332	Fabricated metal product manufacturing	1	27	6	747	31 821	528	1 098	17 584	94 463	58 839	156 259	9 839
334	Computer and electronic product manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	1	1	g	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	-	1	1	g	D	D	D	D	D	D	D	D
WILLARD													
31-33	Manufacturing	-	7	4	2 880	104 791	2 604	4 684	89 839	541 447	356 436	886 878	10 332
311	Food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	1	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
311821	Cookie and cracker manufacturing	-	1	1	f	D	D	D	D	D	D	D	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
323117	Books printing	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
WILLOUGHBY													
31-33	Manufacturing	2	184	66	4 430	180 243	3 209	6 755	111 925	398 757	239 892	664 635	28 570
332	Fabricated metal product manufacturing	1	86	33	2 244	92 698	1 653	3 465	58 162	188 899	102 517	314 261	8 453
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	57	18	1 118	45 063	897	1 895	31 699	83 308	41 516	123 698	2 922
33271	Machine shops	2	47	10	536	20 102	434	887	14 761	34 608	17 169	49 560	1 248
332710	Machine shops	2	47	10	536	20 102	434	887	14 761	34 608	17 169	49 560	1 248
33272	Turned product and screw, nut, and bolt manufacturing	4	10	8	582	24 961	463	1 008	16 938	48 700	24 347	74 138	1 674
332721	Precision turned product manufacturing	4	9	8	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	10	5	611	27 892	374	768	14 913	66 334	39 233	128 935	D
33291	Metal valve manufacturing	-	8	5	f	D	D	D	D	D	D	D	D
WILMINGTON													
31-33	Manufacturing	-	16	9	2 177	71 737	1 639	3 369	46 384	186 349	183 341	367 359	15 998
WOODLAWN													
31-33	Manufacturing	3	54	19	1 767	69 644	1 086	2 140	36 261	201 189	198 528	399 693	20 384

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
WOOSTER													
31-33	Manufacturing	-	42	22	6 411	221 207	4 080	8 240	141 157	704 082	611 814	1 312 798	70 664
326	Plastics and rubber products manufacturing	-	5	4	1 886	34 548	890	1 970	28 184	116 516	118 085	234 232	D
3261	Plastics product manufacturing ..	-	3	3	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
333	Machinery manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333996	Fluid power pump and motor manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	2	g	D	D	D	D	D	D	D	28 601
3363	Motor vehicle parts manufacturing	-	3	2	g	D	D	D	D	D	D	D	28 601
33635	Motor vehicle transmission and power train parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	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
339	Miscellaneous manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
WORTHINGTON													
31-33	Manufacturing	-	36	8	948	33 084	681	1 398	18 157	105 407	76 718	182 047	4 408
XENIA													
31-33	Manufacturing	1	37	10	741	26 010	536	1 007	13 823	65 832	49 478	114 004	D
YELLOW SPRINGS													
31-33	Manufacturing	2	10	4	754	28 985	492	1 025	15 478	123 296	38 105	161 930	D
YOUNGSTOWN													
31-33	Manufacturing	-	128	33	3 061	113 513	2 293	4 671	75 049	285 231	352 474	643 448	23 385
331	Primary metal manufacturing	-	7	4	625	31 989	497	1 033	24 038	120 044	215 005	342 138	11 655
332	Fabricated metal product manufacturing	-	38	9	676	22 638	468	933	13 872	40 554	36 424	76 863	1 098
333	Machinery manufacturing	-	11	4	552	22 036	367	714	12 021	43 414	10 381	53 834	D
ZANESVILLE													
31-33	Manufacturing	-	46	13	g	D	D	D	D	D	D	D	26 977
335	Electrical equipment, appliance, and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing ...	-	1	1	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
BALANCE OF ADAMS COUNTY													
31-33	Manufacturing	1	34	6	f	D	D	D	D	D	D	D	1 307

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF ALLEN COUNTY													
31-33	Manufacturing	-	77	34	5 172	228 733	3 903	7 989	157 904	1 055 272	3 242 131	4 277 765	49 089
311	Food manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	5	3	674	45 052	428	949	27 115	108 313	249 406	373 341	D
336	Transportation equipment manufacturing	1	7	5	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	4	4	f	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
336992	Military armored vehicle, tank, and tank component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF ASHLAND COUNTY													
31-33	Manufacturing	-	38	11	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF ASHTABULA COUNTY													
31-33	Manufacturing	1	103	33	4 201	151 085	3 127	6 562	102 876	433 117	447 473	885 009	28 300
325	Chemical manufacturing	-	9	7	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	-	7	6	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	4	13	9	1 535	42 947	1 231	2 736	33 261	84 494	78 825	162 466	7 231
3261	Plastics product manufacturing ..	6	8	6	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	7	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	7	6	5	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	5	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	11	3	f	D	D	D	D	D	D	D	D
BALANCE OF BELMONT COUNTY													
31-33	Manufacturing	-	33	4	637	23 510	487	983	17 066	73 181	191 933	263 987	D
BALANCE OF BUTLER COUNTY													
31-33	Manufacturing	4	173	64	6 539	273 126	4 224	8 483	149 661	1 045 614	835 723	1 878 348	57 364
312	Beverage and tobacco product manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
31212	Breweries	9	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	9	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	9	7	625	24 644	405	734	12 972	84 314	103 871	188 900	5 563
3222	Converted paper product manufacturing	-	9	7	625	24 644	405	734	12 972	84 314	103 871	188 900	5 563
326	Plastics and rubber products manufacturing	3	11	8	f	D	D	D	D	D	D	D	2 974
3261	Plastics product manufacturing ..	3	11	8	f	D	D	D	D	D	D	D	2 974
32619	Other plastics product manufacturing	-	7	6	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	5	5	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF BUTLER COUNTY—Con.													
332	Fabricated metal product manufacturing	3	36	6	675	27 968	516	1 024	19 073	57 260	34 766	94 431	5 244
333	Machinery manufacturing	—	22	13	1 291	56 131	751	1 595	28 012	192 574	166 507	357 359	D
3339	Other general purpose machinery manufacturing	—	8	5	950	38 738	561	1 237	21 229	147 813	122 707	268 639	D
BALANCE OF CARROLL COUNTY													
31-33	Manufacturing	—	23	7	1 025	31 985	824	1 675	23 948	89 539	80 826	166 459	3 010
332	Fabricated metal product manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
3321	Forging and stamping.....	—	2	2	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	2	2	f	D	D	D	D	D	D	D	D
332111	Iron and steel forging	—	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF CHAMPAIGN COUNTY													
31-33	Manufacturing	—	19	6	g	D	D	D	D	D	D	D	D
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
BALANCE OF CLARK COUNTY													
31-33	Manufacturing	—	91	29	5 206	245 562	3 781	7 909	172 919	744 136	1 415 802	2 156 668	39 200
332	Fabricated metal product manufacturing	—	29	9	g	D	D	D	D	D	D	D	D
3321	Forging and stamping.....	—	6	3	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	6	3	f	D	D	D	D	D	D	D	D
332116	Metal stamping	—	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	13	8	h	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	—	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	2	9	6	f	D	D	D	D	D	D	D	D
BALANCE OF CLERMONT COUNTY													
31-33	Manufacturing	—	164	55	7 544	300 786	4 518	9 694	133 474	860 344	785 863	1 653 639	D
332	Fabricated metal product manufacturing	—	36	14	g	D	D	D	D	D	D	D	3 251
333	Machinery manufacturing	—	19	8	h	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	1	1	g	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF CLINTON COUNTY													
31-33	Manufacturing	-	14	5	1 399	46 255	1 112	1 990	25 607	132 210	251 555	378 602	15 449
336	Transportation equipment manufacturing	-	3	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
33633	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF COLUMBIANA COUNTY													
31-33	Manufacturing	1	83	19	1 991	60 221	1 641	3 296	41 031	131 803	281 197	412 818	11 611
311	Food manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	3	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF COSHOCTON COUNTY													
31-33	Manufacturing	-	28	9	1 355	61 082	1 018	2 151	44 197	139 900	271 049	407 950	D
331	Primary metal manufacturing	-	2	2	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
33122	Rolling and drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF CRAWFORD COUNTY													
31-33	Manufacturing	1	26	10	g	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
3344	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF CUYAHOGA COUNTY													
31-33	Manufacturing	-	141	64	9 736	384 815	7 059	12 896	248 398	940 834	997 858	1 932 351	107 407
325	Chemical manufacturing	1	13	11	730	32 728	387	760	14 028	156 788	130 829	291 761	6 231
332	Fabricated metal product manufacturing	1	47	18	2 933	122 005	1 859	3 811	72 844	263 507	315 893	583 255	53 191
3321	Forging and stamping	-	4	3	g	D	D	D	D	D	D	D	D
33211	Forging and stamping	-	4	3	g	D	D	D	D	D	D	D	D
332112	Nonferrous forging	-	1	1	g	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	4	22	10	675	27 102	502	1 075	17 720	58 309	26 307	85 458	D
336	Transportation equipment manufacturing	-	7	6	3 279	111 845	2 925	4 480	92 908	230 944	257 918	486 069	D
3363	Motor vehicle parts manufacturing	-	6	5	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	4	4	h	D	D	D	D	D	D	D	7 904
336370	Motor vehicle metal stamping	-	4	4	h	D	D	D	D	D	D	D	7 904

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF DARKE COUNTY													
31-33	Manufacturing	-	42	13	1 661	47 338	1 341	2 557	37 035	104 201	140 236	244 979	16 829
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
32619	Other plastics product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF DEFIANCE COUNTY													
31-33	Manufacturing	5	18	7	1 063	42 592	904	1 823	33 948	114 614	71 435	185 612	D
BALANCE OF DELAWARE COUNTY													
31-33	Manufacturing	1	71	14	1 527	57 988	959	1 903	31 547	115 065	63 194	186 024	2 996
BALANCE OF ERIE COUNTY													
31-33	Manufacturing	-	49	20	4 818	272 358	4 062	8 810	221 421	890 955	923 297	1 806 418	46 484
332	Fabricated metal product manufacturing	-	11	7	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	2	2	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
332991	Ball and roller bearing manufacturing	-	1	1	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
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
BALANCE OF FAIRFIELD COUNTY													
31-33	Manufacturing	1	57	13	1 399	46 570	1 014	1 999	27 866	106 789	94 186	200 925	8 304
BALANCE OF FAYETTE COUNTY													
31-33	Manufacturing	1	15	9	1 293	45 575	1 180	2 706	39 199	128 050	155 472	280 690	D
326	Plastics and rubber products manufacturing	-	1	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
32629	Other rubber product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF FRANKLIN COUNTY													
31-33	Manufacturing	-	89	24	2 984	137 552	2 188	4 675	94 838	379 050	357 338	735 567	11 097
327	Nonmetallic mineral product manufacturing	1	9	4	658	38 995	401	930	20 730	86 472	54 908	141 710	4 488
3279	Other nonmetallic mineral product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	19	4	g	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF FULTON COUNTY													
31-33	Manufacturing	-	37	9	1 078	45 572	722	1 463	26 073	242 612	224 299	464 320	8 699

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 ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF GEAUGA COUNTY													
31-33	Manufacturing	1	191	54	8 373	295 151	6 364	13 398	191 851	806 703	684 318	1 488 485	32 531
326	Plastics and rubber products manufacturing	1	34	20	2 542	81 942	2 014	4 138	55 592	131 238	170 538	301 745	7 406
3261	Plastics product manufacturing ..	3	25	13	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	17	9	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	17	9	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	1	9	7	g	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	1	9	7	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	3	6	5	802	26 644	671	1 356	20 348	36 477	34 571	71 043	1 180
333	Machinery manufacturing	3	26	7	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	6	1	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	6	1	h	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	-	5	1	h	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	-	5	1	h	D	D	D	D	D	D	D	D
BALANCE OF GREENE COUNTY													
31-33	Manufacturing	1	37	14	1 656	71 058	1 192	2 400	41 319	220 535	134 030	358 682	14 395
336	Transportation equipment manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	1	1	f	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
BALANCE OF GUERNSEY COUNTY													
31-33	Manufacturing	-	23	9	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	6	2	f	D	D	D	D	D	D	D	D
BALANCE OF HAMILTON COUNTY													
31-33	Manufacturing	-	252	69	8 657	347 585	5 859	11 163	202 324	959 824	816 294	1 780 876	54 576
323	Printing and related support activities	-	37	7	1 278	35 910	963	1 670	27 913	65 723	47 561	112 886	2 408
3231	Printing and related support activities	-	37	7	1 278	35 910	963	1 670	27 913	65 723	47 561	112 886	2 408
32311	Printing	-	35	7	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	10	2	791	16 855	583	995	14 860	29 020	20 746	49 198	D
325	Chemical manufacturing	-	12	6	740	45 583	479	1 259	28 908	161 343	182 098	344 527	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
332	Fabricated metal product manufacturing	-	52	14	2 306	87 444	1 753	3 289	57 510	207 231	183 082	391 827	5 346
3323	Architectural and structural metals manufacturing	1	11	4	1 062	40 279	816	1 587	25 808	45 006	82 766	126 872	D
33232	Ornamental and architectural metal products manufacturing	1	4	3	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
3326	Spring and wire product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF HAMILTON COUNTY—Con.													
333	Machinery manufacturing	—	26	10	1 502	76 228	741	1 111	32 467	120 526	118 151	240 248	4 860
3335	Metalworking machinery manufacturing	—	10	5	778	38 385	395	684	19 565	57 226	27 577	89 729	2 510
33351	Metalworking machinery manufacturing	—	10	5	778	38 385	395	684	19 565	57 226	27 577	89 729	2 510
333513	Machine tool (metal forming types) manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	6	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	31	4	572	20 320	360	758	10 662	51 926	25 393	77 955	1 289
BALANCE OF HANCOCK COUNTY													
31-33	Manufacturing	—	33	10	i	D	D	D	D	D	D	D	22 660
311	Food manufacturing	—	5	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	—	1	1	g	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
335228	Other major household appliance manufacturing	—	1	1	g	D	D	D	D	D	D	D	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
BALANCE OF HARDIN COUNTY													
31-33	Manufacturing	3	30	15	1 331	54 238	1 029	2 098	36 028	147 824	133 416	281 669	D
336	Transportation equipment manufacturing	1	4	4	763	29 922	584	1 204	19 729	83 809	94 277	178 427	D
3363	Motor vehicle parts manufacturing	1	3	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF HARRISON COUNTY													
31-33	Manufacturing	1	15	4	503	14 253	316	538	9 742	34 072	40 275	77 555	1 776
BALANCE OF HENRY COUNTY													
31-33	Manufacturing	—	32	12	h	D	D	D	D	D	D	D	49 680
311	Food manufacturing	—	6	2	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	—	2	2	g	D	D	D	D	D	D	D	D
311422	Specialty canning	—	1	1	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	—	4	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF HIGHLAND COUNTY													
31-33	Manufacturing	-	15	4	1 483	40 639	1 244	2 371	25 055	141 259	121 818	259 415	5 407
339	Miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF HOLMES COUNTY													
31-33	Manufacturing	1	193	50	i	D	D	D	D	D	D	D	D
311	Food manufacturing	-	15	6	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	'55	13	'741	'19 299	'650	'1 324	'15 945	'52 534	'73 708	'124 116	D
3219	Other wood product manufacturing	1	'39	12	'650	'16 816	'569	'1 179	'13 880	'46 999	'60 216	'105 169	'4 429
326	Plastics and rubber products manufacturing	-	14	9	1 312	37 814	1 127	2 257	30 097	182 186	114 579	297 599	5 163
3262	Rubber product manufacturing ...	-	7	6	939	26 139	844	1 733	22 701	75 128	70 460	145 872	D
32629	Other rubber product manufacturing	-	7	6	939	26 139	844	1 733	22 701	75 128	70 460	145 872	D
326299	All other rubber product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	'18	7	g	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	-	'5	4	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	-	'4	3	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	'63	'10	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	'57	'9	f	D	D	D	D	D	D	D	D
BALANCE OF HURON COUNTY													
31-33	Manufacturing	-	29	8	f	D	D	D	D	D	D	D	5 159
BALANCE OF JACKSON COUNTY													
31-33	Manufacturing	-	17	7	f	D	D	D	D	D	D	D	D
BALANCE OF JEFFERSON COUNTY													
31-33	Manufacturing	-	16	4	f	D	D	D	D	D	D	D	3 350
BALANCE OF KNOX COUNTY													
31-33	Manufacturing	1	45	12	1 071	35 475	813	1 635	22 917	111 786	221 418	332 902	4 739
BALANCE OF LAKE COUNTY													
31-33	Manufacturing	1	80	29	2 321	87 169	1 746	3 507	56 844	267 304	304 070	574 714	18 147
332	Fabricated metal product manufacturing	1	26	10	645	23 176	475	917	15 063	49 019	30 709	83 184	3 076
BALANCE OF LICKING COUNTY													
31-33	Manufacturing	1	70	29	3 829	125 356	3 138	6 303	90 805	615 584	433 139	1 051 865	43 985
326	Plastics and rubber products manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	5	5	521	18 813	421	938	13 758	70 779	68 436	139 352	D
327	Nonmetallic mineral product manufacturing	-	7	3	g	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF LOGAN COUNTY													
31-33	Manufacturing	-	40	13	h	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	3	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
3363	Motor vehicle parts manufacturing	-	1	1	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
BALANCE OF LORAIN COUNTY													
31-33	Manufacturing	1	110	19	1 517	50 403	1 179	2 305	34 625	130 111	116 564	245 640	18 256
332	Fabricated metal product manufacturing	1	37	9	704	24 428	551	1 143	17 651	54 871	43 142	97 305	2 745
BALANCE OF LUCAS COUNTY													
31-33	Manufacturing	2	102	39	3 435	133 402	2 671	5 316	95 786	402 544	259 978	675 655	15 510
327	Nonmetallic mineral product manufacturing	-	6	4	f	D	D	D	D	D	D	D	1 836
3272	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	7	18	8	749	24 689	601	1 160	17 575	153 375	27 881	182 510	2 943
BALANCE OF MADISON COUNTY													
31-33	Manufacturing	2	22	10	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	2	2	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
BALANCE OF MAHONING COUNTY													
31-33	Manufacturing	1	209	65	5 409	188 496	3 868	7 097	113 855	535 715	293 064	825 491	24 274
326	Plastics and rubber products manufacturing	-	12	8	552	17 895	377	697	11 429	35 749	48 629	84 853	2 508
3261	Plastics product manufacturing ..	-	10	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	50	17	953	31 845	678	1 233	19 543	75 617	48 769	122 768	2 749
333	Machinery manufacturing	2	42	11	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
BALANCE OF MARION COUNTY													
31-33	Manufacturing	-	43	19	4 683	172 761	3 892	8 075	140 393	716 818	762 130	1 490 359	33 716
311	Food manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing ..	-	1	1	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	-	1	1	h	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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF MEDINA COUNTY													
31-33	Manufacturing	1	108	32	3 097	115 897	2 190	4 544	68 051	268 472	221 924	487 896	17 650
332	Fabricated metal product manufacturing	2	24	8	567	21 272	421	846	12 887	56 249	40 383	94 670	2 370
336	Transportation equipment manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	3	3	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	3	3	f	D	D	D	D	D	D	D	D
BALANCE OF MERCER COUNTY													
31-33	Manufacturing	2	41	18	2 587	92 674	2 165	4 469	68 636	283 735	245 390	525 991	28 810
311	Food manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3315	Foundries	-	3	3	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	3	3	f	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF MIAMI COUNTY													
31-33	Manufacturing	1	81	18	2 111	71 078	1 392	2 701	43 227	137 495	146 290	283 435	8 250
334	Computer and electronic product manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
BALANCE OF MONROE COUNTY													
31-33	Manufacturing	1	11	4	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	3	3	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	3	3	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	1	3	3	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	1	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF MONTGOMERY COUNTY													
31-33	Manufacturing	2	156	42	2 794	108 430	1 967	4 053	66 037	228 185	141 789	370 702	10 658
332	Fabricated metal product manufacturing	2	38	10	510	17 052	373	761	10 854	33 846	15 082	48 621	1 813
333	Machinery manufacturing	-	38	14	1 018	47 303	674	1 435	27 618	75 843	46 748	120 876	4 404
BALANCE OF MORROW COUNTY													
31-33	Manufacturing	-	20	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	4	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	-	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
BALANCE OF MUSKINGUM COUNTY													
31-33	Manufacturing	-	62	21	5 339	182 944	4 931	9 670	163 031	520 310	250 637	760 505	D
321	Wood product manufacturing	-	10	2	h	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	-	9	2	h	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	-	3	2	h	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
BALANCE OF NOBLE COUNTY													
31-33	Manufacturing	-	15	3	619	23 374	505	905	17 444	65 157	60 666	125 679	1 604

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 ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF OTTAWA COUNTY													
31-33	Manufacturing	-	39	13	2 046	88 461	1 603	3 471	65 468	201 861	322 280	536 617	11 025
331	Primary metal manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF PAULDING COUNTY													
31-33	Manufacturing	1	32	16	1 159	36 947	925	1 874	25 899	101 046	131 863	233 838	D
BALANCE OF PERRY COUNTY													
31-33	Manufacturing	-	24	10	1 326	52 824	1 103	2 382	38 304	132 608	85 173	216 723	4 660
331	Primary metal manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF PICKAWAY COUNTY													
31-33	Manufacturing	-	29	12	2 302	94 578	1 486	3 238	46 751	235 874	242 234	482 128	D
327	Nonmetallic mineral product manufacturing	-	4	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
327212	Other pressed and blown glass and glassware manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
BALANCE OF PIKE COUNTY													
31-33	Manufacturing	-	27	8	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF PORTAGE COUNTY													
31-33	Manufacturing	-	112	35	3 086	113 524	2 308	4 744	70 459	276 818	262 391	540 432	20 991
326	Plastics and rubber products manufacturing	-	15	10	647	24 379	450	894	14 742	75 690	85 902	159 657	8 741
332	Fabricated metal product manufacturing	1	26	10	559	18 628	460	1 002	13 905	49 743	30 197	79 940	2 638
BALANCE OF PREBLE COUNTY													
31-33	Manufacturing	-	47	12	1 784	67 047	1 309	2 509	43 237	158 367	284 381	446 678	14 810
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3111	Animal food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	13	5	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
BALANCE OF PUTNAM COUNTY													
31-33	Manufacturing	-	39	16	1 909	69 661	1 560	3 125	51 582	292 163	785 371	1 097 128	15 419
332	Fabricated metal product manufacturing	-	11	5	f	D	D	D	D	D	D	D	D
BALANCE OF RICHLAND COUNTY													
31-33	Manufacturing	2	54	10	1 018	32 280	775	1 542	20 730	69 841	65 401	135 175	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF ROSS COUNTY													
31-33	Manufacturing	-	31	7	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33612	Heavy duty truck manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336120	Heavy duty truck manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF SANDUSKY COUNTY													
31-33	Manufacturing	-	42	11	1 796	69 113	1 336	2 946	45 574	192 696	172 684	366 304	D
336	Transportation equipment manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	3	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
BALANCE OF SCIOTO COUNTY													
31-33	Manufacturing	-	43	12	1 620	56 058	1 201	2 495	39 121	129 216	344 704	475 502	D
BALANCE OF SENECA COUNTY													
31-33	Manufacturing	-	28	10	g	D	D	D	D	D	D	D	D
BALANCE OF SHELBY COUNTY													
31-33	Manufacturing	-	75	29	6 359	298 748	5 091	10 249	226 166	606 736	3 264 117	3 864 061	D
326	Plastics and rubber products manufacturing	-	4	3	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	3	2	g	D	D	D	D	D	D	D	D
32616	Plastics bottle manufacturing ..	-	1	1	g	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	26	7	f	D	D	D	D	D	D	D	5 173
3323	Architectural and structural metals manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	-	3	3	709	24 870	507	1 115	16 552	121 743	211 252	333 216	D
332321	Metal window and door manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	7	5	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	3	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
BALANCE OF STARK COUNTY													
31-33	Manufacturing	-	274	102	10 364	372 415	7 405	15 208	225 004	1 048 738	1 686 302	2 736 577	79 822
311	Food manufacturing	-	17	8	1 672	57 551	1 160	2 400	36 547	184 720	295 178	480 025	D
3115	Dairy product manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	28	17	1 911	50 966	1 591	3 214	34 491	148 492	127 049	273 663	D
3261	Plastics product manufacturing ..	-	21	13	1 578	37 627	1 355	2 681	26 297	117 057	92 326	207 046	D
32619	Other plastics product manufacturing	-	15	10	1 292	30 913	1 104	2 229	20 977	100 172	80 058	177 868	9 152
326199	All other plastics product manufacturing	-	15	10	1 292	30 913	1 104	2 229	20 977	100 172	80 058	177 868	9 152

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF STARK COUNTY—Con.													
327	Nonmetallic mineral product manufacturing	1	17	8	1 104	39 690	793	1 748	26 684	97 205	60 598	167 224	4 546
3271	Clay product and refractory manufacturing	—	7	5	625	22 407	410	913	15 486	50 094	37 522	93 472	3 367
32712	Clay building material and refractories manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	11	6	f	D	D	D	D	D	D	D	3 279
332	Fabricated metal product manufacturing	2	63	21	1 197	42 428	835	1 713	23 555	114 907	92 640	203 651	4 298
333	Machinery manufacturing	2	33	13	761	33 653	487	1 027	19 466	61 450	45 325	105 894	2 879
334	Computer and electronic product manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
BALANCE OF SUMMIT COUNTY													
31-33	Manufacturing	1	175	52	4 146	160 885	2 769	5 635	85 953	446 289	313 581	762 352	19 626
326	Plastics and rubber products manufacturing	1	23	7	669	24 967	529	1 135	17 884	87 141	55 012	141 576	7 016
332	Fabricated metal product manufacturing	1	28	10	662	23 054	497	951	15 120	51 576	27 347	77 984	2 158
333	Machinery manufacturing	3	25	8	549	20 332	395	794	12 382	49 742	36 041	87 172	1 719
334	Computer and electronic product manufacturing	—	8	3	f	D	D	D	D	D	D	D	1 969
BALANCE OF TRUMBULL COUNTY													
31-33	Manufacturing	2	117	42	h	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	13	8	1 120	36 655	917	2 004	25 795	104 528	67 180	171 528	D
3261	Plastics product manufacturing ..	1	9	6	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	4	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	4	136	49	942	34 899	631	1 262	19 011	68 221	59 319	130 768	3 066
336	Transportation equipment manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
BALANCE OF TUSCARAWAS COUNTY													
31-33	Manufacturing	—	146	54	4 445	134 730	3 502	7 015	90 855	369 564	533 963	901 359	31 624
321	Wood product manufacturing	1	26	10	590	17 186	499	890	12 360	45 328	59 097	104 205	3 253
326	Plastics and rubber products manufacturing	—	10	7	703	18 497	571	1 120	12 864	46 658	64 011	110 589	D
331	Primary metal manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	21	6	651	17 618	490	1 023	10 814	39 200	31 351	70 205	1 208
BALANCE OF UNION COUNTY													
31-33	Manufacturing	—	24	9	i	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	2	2	i	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	1	1	i	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF WARREN COUNTY													
31-33	Manufacturing	—	33	8	f	D	D	D	D	D	D	D	5 236

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
BALANCE OF WASHINGTON COUNTY													
31-33	Manufacturing	-	64	25	2 860	125 560	1 906	3 930	72 835	400 408	661 581	1 051 379	26 959
325	Chemical manufacturing	-	7	5	626	38 352	382	818	23 278	198 866	382 834	562 249	12 291
331	Primary metal manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	-	6	1	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
BALANCE OF WAYNE COUNTY													
31-33	Manufacturing	2	188	62	4 876	152 636	3 661	7 153	98 206	361 468	365 847	725 800	22 728
311	Food manufacturing	2	13	6	509	15 099	366	722	8 963	40 559	69 510	109 595	D
321	Wood product manufacturing	1	36	10	707	17 900	550	1 088	12 710	41 106	49 888	91 616	1 701
3219	Other wood product manufacturing	1	27	8	530	12 044	428	812	8 963	29 931	36 718	67 229	1 214
327	Nonmetallic mineral product manufacturing	1	13	8	549	16 227	454	831	11 995	40 494	22 767	61 077	1 475
332	Fabricated metal product manufacturing	2	25	10	642	24 275	447	943	14 450	44 476	36 100	81 934	D
333	Machinery manufacturing	3	21	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	4	10	6	f	D	D	D	D	D	D	D	D
BALANCE OF WILLIAMS COUNTY													
31-33	Manufacturing	-	72	28	2 962	96 216	2 402	4 855	65 517	268 552	302 008	567 469	20 037
326	Plastics and rubber products manufacturing	1	10	6	655	17 708	523	983	11 665	52 433	40 731	92 434	5 948
3261	Plastics product manufacturing ..	1	10	6	655	17 708	523	983	11 665	52 433	40 731	92 434	5 948
32619	Other plastics product manufacturing	1	7	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	7	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	911	33 945	765	1 574	23 995	95 356	111 259	203 587	D
3363	Motor vehicle parts manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
BALANCE OF WOOD COUNTY													
31-33	Manufacturing	1	101	38	5 702	259 575	4 465	9 344	191 121	604 514	557 599	1 157 740	58 879
326	Plastics and rubber products manufacturing	-	12	7	g	D	D	D	D	D	D	D	3 908
3261	Plastics product manufacturing ..	-	10	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	9	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	8	4	865	30 719	694	1 376	18 800	80 154	55 334	135 744	2 138
332	Fabricated metal product manufacturing	2	21	5	f	D	D	D	D	D	D	D	573
336	Transportation equipment manufacturing	-	5	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	5	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Industries 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.

⁴Number 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
OHIO	
Companies ¹	N
All establishments ²	'17 494
Establishments with 1 to 19 employees	'11 235
Establishments with 20 to 99 employees	4 414
Establishments with 100 employees or more	'1 845
All employees ³	'868 732
Total compensation	\$1,000.. '45 585 310
Annual payroll	\$1,000.. '35 301 070
Total fringe benefits	\$1,000.. '10 284 240
Production workers, average for year	number.. '639 821
Production workers on March 12	number.. '639 083
Production workers on May 12	number.. '642 545
Production workers on August 12	number.. '640 989
Production workers on November 12	number.. '635 392
Production worker hours	1,000.. '1 272 072
Production worker wages	\$1,000.. '23 198 051
Total cost of materials	\$1,000.. '130 639 775
Materials, parts, containers, packaging, etc., used	\$1,000.. '118 011 153
Resales	\$1,000.. '5 924 948
Purchased fuels	\$1,000.. '1 648 293
Purchased electricity	\$1,000.. '2 440 828
Contract work	\$1,000.. '2 614 553
Quantity of electricity purchased for heat and power	1,000 kWh.. '53 298 290
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 382 876
Total value of shipments	\$1,000.. '243 903 865
Value of resales	\$1,000.. '7 824 273
Value added	\$1,000.. '113 243 351
Total inventories, beginning of year	\$1,000.. '21 787 385
Finished goods inventories	\$1,000.. '8 556 796
Work-in-process inventories	\$1,000.. '5 135 994
Materials and supplies inventories	\$1,000.. '8 094 595
Total inventories, end of year	\$1,000.. '21 676 062
Finished goods inventories	\$1,000.. '8 499 689
Work-in-process inventories	\$1,000.. '5 221 165
Materials and supplies inventories	\$1,000.. '7 955 208
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '98 898 595
Total capital expenditures (new and used)	\$1,000.. '7 427 634
Buildings and other structures (new and used)	\$1,000.. '868 444
Machinery and equipment (new and used)	\$1,000.. '6 559 190
Automobiles, trucks, etc., for highway use	\$1,000.. '155 141
Computers and peripheral data processing equipment	\$1,000.. '426 450
All other expenditures for machinery and equipment	\$1,000.. '5 977 599
Total retirements	\$1,000.. '5 195 389
Gross value of depreciable assets at end of year	\$1,000.. '101 130 840
Depreciation charges during year	\$1,000.. '6 886 412
Total rental payments	\$1,000.. '1 729 149
Buildings and other structures	\$1,000.. '959 529
Machinery and equipment	\$1,000.. '769 620

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

²Includes establishments with payroll at any time during the year.

³Number 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

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).

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.

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

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.

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.

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.

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

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;

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:

-
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).

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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).

331 PRIMARY METAL MANUFACTURING

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and superalloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

Primary manufacturing of ferrous and nonferrous metals begins with ore or concentrate as the primary input. Establishments manufacturing primary metals from ore and/or concentrate remain classified in the primary smelting, primary refining, or iron and steel mill industries regardless of the form of their output. Establishments primarily engaged in secondary smelting and/or secondary refining recover ferrous and nonferrous metals from scrap and/or dross. The output of the secondary smelting and/or secondary refining industries is limited to shapes, such as ingot or billet, that will be further processed. Recovery of metals from scrap often occurs in establishments that are primarily engaged in activities, such as rolling, drawing, extruding, or similar processes.

Excluded from the Primary Metal Manufacturing subsector are establishments primarily engaged in manufacturing ferrous and nonferrous forgings (except ferrous forgings made in steel mills) and stampings. Although forging, stamping, and casting are all methods used to make metal shapes, forging and stamping do not use molten metals and are included in Subsector 332, Fabricated Metal Product Manufacturing. Establishments primarily engaged in operating coke ovens are classified in Industry 32419, Other Petroleum and Coal Products Manufacturing.

3311 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

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

1. Direct reduction of iron ore;
2. Manufacturing pig iron in molten or solid form;
3. Converting pig iron into steel;
4. Manufacturing ferroalloys;
5. Making steel;
6. Making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. Making steel and forming pipe and tube.

33111 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

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

1. direct reduction of iron ore;
2. manufacturing pig iron in molten or solid form;
3. converting pig iron into steel;
4. manufacturing ferroalloys;
5. making steel;
6. making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, and wire); and
7. making steel and forming pipe and tube.

331111 IRON AND STEEL MILLS

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

1. direct reduction of iron ore;

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2. manufacturing pig iron in molten or solid form;
 3. converting pig iron into steel;
 4. making steel;
 5. making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and
 6. making steel and forming tube and pipe.

331112 ELECTROMETALLURGICAL FERROALLOY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electrometallurgical ferroalloys. Ferroalloys add critical elements, such as silicon and manganese for carbon steel and chromium, vanadium, tungsten, titanium, and molybdenum for low- and high-alloy metals. Ferroalloys include iron-rich alloys and more pure forms of elements added during the steel manufacturing process that alter or improve the characteristics of the metal being made.

3312 STEEL PRODUCT MANUFACTURING FROM PURCHASED STEEL

This industry group comprises establishments primarily engaged in manufacturing iron and steel tube and pipe; drawing steel wire; and rolling or drawing shapes from purchased iron or steel.

33121 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

This industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

331210 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

This U.S. industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

33122 ROLLING AND DRAWING OF PURCHASED STEEL

This industry comprises establishments primarily engaged in rolling and/or drawing steel shapes, such as plate, sheet, strip, rod, and bar, from purchased steel.

331221 ROLLED STEEL SHAPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in rolling or drawing shapes (except wire), such as plate, sheet, strip, rod, and bar, from purchased steel.

331222 STEEL WIRE DRAWING

This U.S. industry comprises establishments primarily engaged in drawing wire from purchased steel.

3313 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

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

1. Refining alumina;
2. Making (i.e., the primary production) aluminum from alumina;
3. Recovering aluminum from scrap or dross;
4. Alloying purchased aluminum; and
5. Manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

33131 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

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

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1. refining alumina;
 2. making (i.e., the primary production) aluminum from alumina;
 3. recovering aluminum from scrap or dross;
 4. alloying purchased aluminum; and
 5. manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, and wire).

331311 ALUMINA REFINING

This U.S. industry comprises establishments primarily engaged in refining alumina (i.e., aluminum oxide) generally from bauxite.

331312 PRIMARY ALUMINUM PRODUCTION

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

1. making aluminum from alumina and/or
2. making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, and strip).

Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

331314 SECONDARY SMELTING AND ALLOYING OF ALUMINUM

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

1. recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or
2. manufacturing alloys, powder, paste, or flake from purchased aluminum.

331315 ALUMINUM SHEET, PLATE, AND FOIL MANUFACTURING

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

1. flat rolling or continuous casting sheet, plate, foil, and welded tube from purchased aluminum and/or
2. recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

331316 ALUMINUM EXTRUDED PRODUCT MANUFACTURING

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

1. extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum and/or
2. recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

331319 OTHER ALUMINUM ROLLING AND DRAWING

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

1. rolling, drawing, or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) from purchased aluminum and/or
2. recovering aluminum from scrap and rolling, drawing or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) in integrated mills.

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.

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.

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 made 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.

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.

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.

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.

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).

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.

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.

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.

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

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.

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.

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.

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).

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.

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.

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;
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3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

334111 ELECTRONIC COMPUTER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following:

1. store the processing program or programs and the data immediately necessary for the execution of the program;
2. can be freely programmed in accordance with the requirements of the user;
3. perform arithmetical computations specified by the user; and
4. execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run.

Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

334112 COMPUTER STORAGE DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

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.

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.

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.

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.

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

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.

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.

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.

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.

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.

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.

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).

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

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

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.

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).

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.

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

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).

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.

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

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

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

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/.

A more detailed examination of census methodology is presented in the *History of the Economic Census* at 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.

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

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

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.

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.

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

OHIO

Alliance is in Mahoning and Stark Counties.

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

Bellevue is in Erie, Huron, and Sandusky Counties; it annexed into Erie County in October 1995, but this change was not submitted to the Census Bureau until March 1999. This change deletes territory from the Balance of Erie County.

Blanchester is in Clinton and Warren Counties.

Bluffton is in Allen and Hancock Counties.

Buckeye Lake is in Fairfield and Licking Counties.

Canal Winchester is in Fairfield and Franklin Counties.

Carlisle is in Montgomery and Warren Counties.

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

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

Columbiana is in Columbiana and Mahoning Counties.

Columbus is in Delaware, Fairfield, and Franklin Counties.

Crestline is in Crawford and Richland Counties.

Crooksville is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Perry County.

Delphos is in Allen and Van Wert Counties.

Dublin is in Delaware, Franklin, and Union Counties.

Fairfield is in Butler and Hamilton Counties.

Fostoria is in Hancock, Seneca, and Wood Counties.

Galion is in Crawford, Morrow, and Richland Counties; it annexed into Morrow County in June 1994 and Richland County in December 2000, but the change in Morrow County was not submitted to the Census Bureau until April 2002. These changes delete territory from the Balances of Morrow and Richland Counties.

Gates Mills is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Cuyahoga County.

Grafton is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Lorain County.

Green code changed from 31664 to 31860.

Huber Heights is in Miami and Montgomery Counties.

Hudson (36651) changed name and code from Hudson Village (36666) in November 1995, but this change was not submitted to the Census Bureau until July 1999.

Jefferson (38710) changed name and code to West Jefferson (83580) in January 1991, but this change was not submitted to the Census Bureau until October 1998.

Kettering is in Greene and Montgomery Counties.

Loudonville is in Ashland and Holmes Counties.

Loveland is in Clermont, Hamilton, and Warren Counties.

Middletown is in Butler and Warren Counties.

Milford is in Clermont and Hamilton Counties.

Minerva is in Carroll, Columbiana, and Stark Counties.

Mogadore is in Portage and Summit Counties.

Monroe is in Butler and Warren Counties.

New Boston is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Scioto County.

New Concord is now tabulated separately due to a population increase. This change deletes territory from the Balance of Muskingum County.

New Miami is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Butler County.

New Richmond is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Clermont County.

Norton is in Summit and Wayne Counties.

Pickerington is in Fairfield and Franklin Counties.

Plain City is in Madison and Union Counties.

Reynoldsburg is in Fairfield, Franklin, and Licking Counties.

Rittman is in Medina and Wayne Counties.

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

Salem is in Columbiana and Mahoning Counties; it annexed into Mahoning County in March 2001. This change deletes territory from the Balance of Mahoning County.

Sharonville is in Butler and Hamilton Counties.

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

Springboro is in Montgomery and Warren Counties.

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

Swanton is in Fulton and Lucas Counties.

Tallmadge is in Portage and Summit Counties.

Union is in Miami and Montgomery Counties.

Vermilion is in Erie and Lorain Counties.

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

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

Westerville is in Delaware and Franklin Counties.

West Jefferson (83580) changed name and code from Jefferson (38710) in 1990.

Williamsburg is no longer tabulated separately due to a population decrease. This change adds territory to the Balance of Clermont County.

Youngstown is in Mahoning and Trumbull Counties.

Balance of Butler County includes New Miami, which is no longer tabulated separately due to a population decrease.

Balance of Clermont County includes New Richmond and Williamsburg, which are no longer tabulated separately due to a population decrease and no longer includes Amelia, which is tabulated separately due to a population increase.

Balance of Cuyahoga County includes Gates Mills, which is no longer tabulated separately due to a population decrease.

Balance of Darke County no longer includes Versailles, which is tabulated separately due to a population increase.

Balance of Delaware County no longer includes Sunbury, which is tabulated separately due to a population increase.

Balance of Erie County lost territory due to the annexation of Bellevue into the county.

Balance of Hamilton County no longer includes Cleves, which is tabulated separately due to a population increase.

Balance of Lorain County includes Grafton, which is no longer tabulated separately due to a population decrease and no longer includes Sheffield, which is tabulated separately due to a population increase.

Balance of Mahoning County lost territory due to the annexation of Salem into the county.

Balance of Montgomery County no longer includes Clayton and Riverside, which are tabulated separately due to a population increase.

Balance of Morrow County lost territory due to the annexation of Galion into the county.

Balance of Muskingum County no longer includes New Concord, which is tabulated separately due to a population increase.

Balance of Perry County includes Crooksville, which is no longer tabulated separately due to a population decrease.

Balance of Richland County lost territory due to the annexation of Galion into the county.

Balance of Scioto County includes New Boston, which is no longer tabulated separately due to a population decrease.

Balance of Warren County no longer includes Waynesville, which is tabulated separately due to a population increase.

Appendix E.

Metropolitan and Micropolitan Statistical Areas

CINCINNATI-MIDDLETOWN-WILMINGTON, OH-KY-IN COMBINED STATISTICAL AREA

Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area

Dearborn County, IN
Franklin County, IN
Ohio County, IN
Boone County, KY
Bracken County, KY
Campbell County, KY
Gallatin County, KY
Grant County, KY
Kenton County, KY
Pendleton County, KY
Brown County, OH
Butler County, OH
Clermont County, OH
Hamilton County, OH
Warren County, OH

Wilmington, OH Micropolitan Statistical Area

Clinton County, OH

CLEVELAND-AKRON-ELYRIA, OH COMBINED STATISTICAL AREA

Akron, OH Metropolitan Statistical Area

Portage County, OH
Summit County, OH

Ashtabula, OH Micropolitan Statistical Area

Ashtabula County, OH

Cleveland-Elyria-Mentor, OH Metropolitan Statistical Area

Cuyahoga County, OH
Geauga County, OH
Lake County, OH
Lorain County, OH
Medina County, OH

COLUMBUS-MARION-CHILLCOTHE, OH COMBINED STATISTICAL AREA

Chillicothe, OH Micropolitan Statistical Area

Ross County, OH

Columbus, OH Metropolitan Statistical Area

Delaware County, OH

Fairfield County, OH

Franklin County, OH

Licking County, OH

Madison County, OH

Morrow County, OH

Pickaway County, OH

Union County, OH

Marion, OH Micropolitan Statistical Area

Marion County, OH

Mount Vernon, OH Micropolitan Statistical Area

Knox County, OH

Washington, OH Micropolitan Statistical Area

Fayette County, OH

DAYTON-SPRINGFIELD-GREENVILLE, OH COMBINED STATISTICAL AREA

Dayton, OH Metropolitan Statistical Area

Greene County, OH

Miami County, OH

Montgomery County, OH

Preble County, OH

Greenville, OH Micropolitan Statistical Area

Darke County, OH

Springfield, OH Metropolitan Statistical Area

Clark County, OH

Urbana, OH Micropolitan Statistical Area

Champaign County, OH

FINDLAY-TIFFIN-FOSTORIA, OH COMBINED STATISTICAL AREA

Findlay, OH Micropolitan Statistical Area

Hancock County, OH

Tiffin-Fostoria, OH Micropolitan Statistical Area

Seneca County, OH

MANSFIELD-BUCYRUS, OH COMBINED STATISTICAL AREA

Bucyrus, OH Micropolitan Statistical Area

Crawford County, OH

Mansfield, OH Metropolitan Statistical Area

Richland County, OH

TOLEDO-FREMONT, OH COMBINED STATISTICAL AREA

Fremont, OH Micropolitan Statistical Area

Sandusky County, OH

Toledo, OH Metropolitan Statistical Area

Fulton County, OH

Lucas County, OH

Ottawa County, OH

Wood County, OH

YOUNGSTOWN-WARREN-EAST LIVERPOOL, OH-PA COMBINED STATISTICAL AREA

East Liverpool-Salem, OH Micropolitan Statistical Area

Columbiana County, OH

Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area

Mahoning County, OH

Trumbull County, OH

Mercer County, PA

ASHLAND, OH MICROPOLITAN STATISTICAL AREA

Ashland County, OH

ATHENS, OH MICROPOLITAN STATISTICAL AREA

Athens County, OH

BELLEFONTAINE, OH MICROPOLITAN STATISTICAL AREA

Logan County, OH

CAMBRIDGE, OH MICROPOLITAN STATISTICAL AREA

Guernsey County, OH

CANTON-MASSILLON, OH METROPOLITAN STATISTICAL AREA

Carroll County, OH

Stark County, OH

CELINA, OH MICROPOLITAN STATISTICAL AREA

Mercer County, OH

COSHOCTON, OH MICROPOLITAN STATISTICAL AREA

Coshocton County, OH

DEFIANCE, OH MICROPOLITAN STATISTICAL AREA

Defiance County, OH

HUNTINGTON-ASHLAND, WV-KY-OH METROPOLITAN STATISTICAL AREA

Boyd County, KY

Greenup County, KY

Lawrence County, OH

Cabell County, WV

Wayne County, WV

LIMA, OH METROPOLITAN STATISTICAL AREA

Allen County, OH

NEW PHILADELPHIA-DOVER, OH MICROPOLITAN STATISTICAL AREA

Tuscarawas County, OH

NORWALK, OH MICROPOLITAN STATISTICAL AREA

Huron County, OH

PARKERSBURG-MARIETTA, WV-OH METROPOLITAN STATISTICAL AREA

Washington County, OH

Pleasants County, WV

Wirt County, WV

Wood County, WV

POINT PLEASANT, WV-OH MICROPOLITAN STATISTICAL AREA

Gallia County, OH

Mason County, WV

PORTSMOUTH, OH MICROPOLITAN STATISTICAL AREA

Scioto County, OH

SANDUSKY, OH METROPOLITAN STATISTICAL AREA

Erie County, OH

SIDNEY, OH MICROPOLITAN STATISTICAL AREA

Shelby County, OH

VAN WERT, OH MICROPOLITAN STATISTICAL AREA

Van Wert County, OH

WAPAKONETA, OH MICROPOLITAN STATISTICAL AREA

Auglaize County, OH

WEIRTON-STEUBENVILLE, WV-OH METROPOLITAN STATISTICAL AREA

Jefferson County, OH

Brooke County, WV

Hancock County, WV

WHEELING, WV-OH METROPOLITAN STATISTICAL AREA

Belmont County, OH

Marshall County, WV

Ohio County, WV

WOOSTER, OH MICROPOLITAN STATISTICAL AREA

Wayne County, OH

ZANESVILLE, OH MICROPOLITAN STATISTICAL AREA

Muskingum County, OH

