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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)				
KENTUCKY													
31-33	Manufacturing	-	4 283	1 669	263 202	10 077 029	201 586	403 166	6 853 829	34 075 367	54 416 995	88 513 497	2 562 414
311	Food manufacturing	-	271	109	23 727	711 905	18 457	38 208	488 964	3 179 090	3 471 259	6 636 478	216 812
3111	Animal food manufacturing	1	32	13	772	28 998	521	1 082	16 876	204 002	285 465	489 895	18 602
31111	Animal food manufacturing	1	32	13	772	28 998	521	1 082	16 876	204 002	285 465	489 895	18 602
311111	Dog and cat food manufacturing	-	4	1	c	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing	1	28	12	f	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	-	11	8	672	22 381	505	1 030	14 785	163 371	416 572	548 072	9 720
31121	Flour milling and malt manufacturing	-	5	3	149	4 390	91	193	2 562	16 308	40 830	55 722	962
311211	Flour milling	-	5	3	149	4 390	91	193	2 562	16 308	40 830	55 722	962
31122	Starch and vegetable fats and oils manufacturing	-	6	5	523	17 991	414	837	12 223	147 063	375 742	492 350	8 758
311222	Soybean processing	-	1	1	c	D	D	D	D	D	D	D	D
311225	Fats and oils refining and blending	-	4	4	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	9	18	2	312	13 167	219	444	6 992	71 864	54 317	125 324	1 886
31134	Nonchocolate confectionery manufacturing	9	8	2	e	D	D	D	D	D	D	D	1 789
311340	Nonchocolate confectionery manufacturing	9	8	2	e	D	D	D	D	D	D	D	1 789
3114	Fruit and vegetable preserving and specialty food manufacturing	-	20	12	4 134	125 192	3 445	7 121	95 977	646 266	705 101	1 352 570	32 531
31141	Frozen food manufacturing	-	7	6	2 642	75 616	2 284	5 113	59 691	314 901	303 544	619 638	21 597
311412	Frozen specialty food manufacturing	-	7	6	2 642	75 616	2 284	5 113	59 691	314 901	303 544	619 638	21 597
31142	Fruit and vegetable canning, pickling, and drying	-	13	6	1 492	49 576	1 161	2 008	36 286	331 365	401 557	732 932	10 934
311421	Fruit and vegetable canning ..	-	12	5	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	13	12	1 975	73 450	1 158	2 596	37 527	226 263	460 054	690 903	13 895
31151	Dairy product (except frozen) manufacturing	-	13	12	1 975	73 450	1 158	2 596	37 527	226 263	460 054	690 903	13 895
311511	Fluid milk manufacturing	-	8	8	1 526	57 527	846	1 880	28 623	161 625	405 072	571 003	9 014
311513	Cheese manufacturing	-	1	1	c	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	55	21	8 761	228 241	7 415	15 914	176 825	710 432	732 000	1 454 350	38 830
31161	Animal slaughtering and processing	-	55	21	8 761	228 241	7 415	15 914	176 825	710 432	732 000	1 454 350	38 830
311611	Animal (except poultry) slaughtering	-	30	3	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	1	15	9	2 390	74 799	1 936	4 023	54 174	169 399	275 222	452 661	16 418
311613	Rendering and meat byproduct processing	-	4	3	c	D	D	D	D	D	D	D	D
311615	Poultry processing	-	6	6	4 681	105 636	4 171	9 101	90 937	404 508	192 718	597 506	16 660
3118	Bakeries and tortilla manufacturing	2	87	23	5 171	150 127	3 842	7 624	98 482	642 347	406 263	1 049 424	34 132
31181	Bread and bakery product manufacturing	-	75	14	2 485	70 425	1 495	2 605	36 006	272 034	160 162	431 564	11 894
311811	Retail bakeries	2	57	7	f	D	D	D	D	D	D	D	358
311812	Commercial bakeries	-	16	5	1 432	43 543	777	1 641	21 155	199 113	102 435	300 845	D
311813	Frozen cakes, pies, and other pastries manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	3	12	9	2 686	79 702	2 347	5 019	62 476	370 313	246 101	617 860	22 238
311821	Cookie and cracker manufacturing	4	8	5	2 366	69 080	2 129	4 574	56 667	309 175	185 730	495 719	21 121
311822	Flour mixes and dough manufacturing from purchased flour	-	3	3	c	D	D	D	D	D	D	D	1 117
3119	Other food manufacturing	-	35	18	1 930	70 349	1 352	2 397	41 500	514 545	411 487	925 940	67 216
31191	Snack food manufacturing	-	7	5	g	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing	-	4	3	516	17 885	458	778	14 722	218 040	239 211	458 190	11 657
311919	Other snack food manufacturing	1	3	2	f	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing ..	1	4	2	146	5 120	114	238	3 710	30 984	18 475	50 026	D
311920	Coffee and tea manufacturing	1	4	2	146	5 120	114	238	3 710	30 984	18 475	50 026	D
31193	Flavoring syrup and concentrate manufacturing ...	-	4	2	165	5 630	34	72	1 327	47 058	31 827	78 583	D
311930	Flavoring syrup and concentrate manufacturing ..	-	4	2	165	5 630	34	72	1 327	47 058	31 827	78 583	D
31194	Seasoning and dressing manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing ...	5	17	7	288	9 515	224	420	7 179	51 321	39 972	91 187	D
311999	All other miscellaneous food manufacturing	6	14	5	225	7 791	180	330	6 070	43 895	36 428	80 192	1 607

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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)				
KENTUCKY—Con.													
312	Beverage and tobacco product manufacturing	1	52	34	4 260	171 860	2 368	4 659	78 256	990 373	839 124	1 840 465	47 205
3121	Beverage manufacturing	2	44	28	3 340	133 274	1 817	3 612	62 999	715 563	677 969	1 403 837	41 222
31211	Soft drink and ice manufacturing	4	22	12	1 174	40 328	356	637	9 991	108 379	168 914	276 482	7 997
312111	Soft drink manufacturing	4	10	8	996	36 520	274	549	8 878	98 114	166 752	264 050	7 633
312113	Ice manufacturing	1	11	4	c	D	D	D	D	D	D	D	D
31213	Wineries	5	5	2	c	D	D	D	D	D	D	D	D
312130	Wineries	5	5	2	c	D	D	D	D	D	D	D	D
31214	Distilleries	1	16	14	2 061	88 915	1 416	2 885	51 595	579 681	479 871	1 070 722	30 864
312140	Distilleries	1	16	14	2 061	88 915	1 416	2 885	51 595	579 681	479 871	1 070 722	30 864
3122	Tobacco manufacturing	-	8	6	920	38 586	551	1 047	15 257	274 810	161 155	436 628	5 983
31222	Tobacco product manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
313	Textile mills	1	29	11	1 922	47 893	1 672	3 394	36 119	104 804	220 570	372 757	D
3132	Fabric mills	-	11	7	1 384	37 575	1 208	2 503	28 412	81 996	185 186	314 399	D
31322	Narrow fabric mills and schiffli machine embroidery	-	2	2	e	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	-	1	1	c	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	3	3	3	138	2 896	115	224	2 207	4 864	7 044	12 817	D
313230	Nonwoven fabric mills	3	3	3	138	2 896	115	224	2 207	4 864	7 044	12 817	D
31324	Knit fabric mills	-	3	2	f	D	D	D	D	D	D	D	D
313241	Weft knit fabric mills	-	2	1	f	D	D	D	D	D	D	D	D
313249	Other knit fabric and lace mills	-	1	1	c	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	8	17	4	f	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	9	15	3	f	D	D	D	D	D	D	D	D
313312	Textile and fabric finishing (except broadwoven fabric) mills	9	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	-	67	19	2 337	52 318	1 914	3 400	39 227	171 264	132 121	302 805	D
3141	Textile furnishings mills	-	30	11	1 779	40 325	1 437	2 541	30 630	138 844	110 748	248 905	D
31412	Curtain and linen mills	-	27	11	1 773	40 156	1 431	2 530	30 490	138 435	109 570	247 318	D
314121	Curtain and drapery mills	1	20	4	234	5 881	167	325	2 924	14 856	16 694	30 709	D
314129	Other household textile product mills	-	7	7	1 539	34 275	1 264	2 205	27 566	123 579	92 876	216 609	D
3149	Other textile product mills	1	37	8	558	11 993	477	859	8 597	32 420	21 373	53 900	D
31491	Textile bag and canvas mills ...	1	14	5	274	6 385	233	403	4 440	22 082	9 929	32 095	D
314911	Textile bag mills	3	4	4	121	2 615	112	213	1 976	3 514	3 266	6 858	D
314912	Canvas and related product mills	1	10	1	153	3 770	121	190	2 464	18 568	6 663	25 237	D
31499	All other textile product mills ...	1	23	3	284	5 608	244	456	4 157	10 338	11 444	21 805	D
314999	All other miscellaneous textile product mills	1	21	2	c	D	D	D	D	D	D	D	D
315	Apparel manufacturing	-	84	49	8 159	150 350	7 181	13 170	119 820	568 779	518 623	1 094 029	D
3151	Apparel knitting mills	-	3	2	e	D	D	D	D	D	D	D	D
31511	Hosiery and sock mills	-	3	2	e	D	D	D	D	D	D	D	D
315119	Other hosiery and sock mills ..	-	3	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	70	44	7 491	135 064	6 644	12 046	108 597	536 854	485 732	1 029 273	D
31521	Cut and sew apparel contractors	1	27	11	1 308	19 851	1 179	2 035	16 869	41 919	4 344	47 203	D
315211	Men's and boys' cut and sew apparel contractors	1	10	8	1 036	15 869	920	1 623	13 296	26 352	3 738	31 074	D
315212	Women's, girls', and infants' cut and sew apparel contractors	1	17	3	272	3 982	259	412	3 573	15 567	606	16 129	D
31522	Men's and boys' cut and sew apparel manufacturing	-	32	27	5 704	106 156	5 039	9 267	85 182	305 121	269 006	579 801	D
315221	Men's and boys' cut and sew underwear and nightwear manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	9	5	3	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	7	4	g	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	-	16	16	2 796	51 429	2 325	4 242	37 514	188 267	97 938	291 381	D
31523	Women's and girls' cut and sew apparel manufacturing	-	7	5	356	7 105	315	541	5 055	187 565	211 545	399 099	D
315239	Women's and girls' cut and sew other outerwear manufacturing	-	5	4	e	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing	2	4	1	123	1 952	111	203	1 491	2 249	837	3 170	D
315299	All other cut and sew apparel manufacturing	2	4	1	123	1 952	111	203	1 491	2 249	837	3 170	D

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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)	
KENTUCKY—Con.														
315	Apparel manufacturing—Con.													
3159	Apparel accessories and other apparel manufacturing	4	11	3	c	D	D	D	D	D	D	D		
31599	Apparel accessories and other apparel manufacturing	4	11	3	c	D	D	D	D	D	D	D		
315991	Hat, cap, and millinery manufacturing	3	4	3	c	D	D	D	D	D	D	D		
316	Leather and allied product manufacturing	7	8	4		382	7 611	344	633	5 763	25 625	31 911	57 901	D
3162	Footwear manufacturing	9	2	1	e	D	D	D	D	D	D	D	D	D
31621	Footwear manufacturing	9	2	1	e	D	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing	9	1	1	e	D	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	2	5	3	c	D	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	2	5	3	c	D	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	2	4	3	c	D	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	'423	'133	'11 728	'286 662	'10 071	'19 827	'217 634	'652 114	'912 419	'1 563 865	'87 623	
3211	Sawmills and wood preservation .	3	168	46	3 161	77 099	2 728	5 474	59 825	172 298	326 059	502 055	9 851	
32111	Sawmills and wood preservation	3	168	46	3 161	77 099	2 728	5 474	59 825	172 298	326 059	502 055	9 851	
321113	Sawmills	3	156	42	2 937	70 484	2 562	5 145	55 752	160 285	261 174	421 686	8 914	
321114	Wood preservation	—	12	4	224	6 615	166	329	4 073	12 013	64 885	80 369	937	
3212	Veneer, plywood, and engineered wood product manufacturing	1	36	16	1 566	43 726	1 318	2 807	32 039	91 826	128 081	221 659	5 575	
32121	Veneer, plywood, and engineered wood product manufacturing	1	36	16	1 566	43 726	1 318	2 807	32 039	91 826	128 081	221 659	5 575	
321211	Hardwood veneer and plywood manufacturing	—	8	4	e	D	D	D	D	D	D	D	1 920	
321213	Engineered wood member (except truss) manufacturing	—	2	1	e	D	D	D	D	D	D	D	D	
321214	Truss manufacturing	2	25	11	679	18 913	527	1 117	11 785	36 367	32 636	66 685	D	
3219	Other wood product manufacturing	1	'219	'71	'7 001	'165 837	'6 025	'11 546	'125 770	'387 990	'458 279	'840 151	'72 197	
32191	Millwork	1	'80	'29	'3 672	'89 463	'3 208	'6 128	'68 374	'213 629	'214 132	'423 288	'64 142	
321911	Wood window and door manufacturing	—	'15	'8	'1 066	'25 372	'921	'1 871	'19 120	'57 609	'66 789	'124 066	'11 291	
321912	Cut stock, resawing lumber, and planing	1	29	11	818	19 273	736	1 492	15 516	42 240	56 760	97 414	D	
321918	Other millwork (including flooring)	2	36	10	1 788	44 818	1 551	2 765	33 738	113 780	90 583	201 808	D	
32192	Wood container and pallet manufacturing	1	101	29	1 992	44 795	1 699	3 216	33 048	91 324	130 240	222 182	5 236	
321920	Wood container and pallet manufacturing	1	101	29	1 992	44 795	1 699	3 216	33 048	91 324	130 240	222 182	5 236	
32199	All other wood product manufacturing	1	38	13	1 337	31 579	1 118	2 202	24 348	83 037	113 907	194 681	2 819	
321991	Manufactured home (mobile home) manufacturing	2	6	4	530	12 821	449	843	9 914	27 447	44 519	71 174	321	
321999	All other miscellaneous wood product manufacturing	—	29	9	792	18 266	659	1 340	14 144	54 432	68 214	121 196	2 476	
322	Paper manufacturing	—	99	72	11 173	454 207	8 604	18 090	304 445	2 193 967	2 196 893	4 397 462	115 104	
3221	Pulp, paper, and paperboard mills	—	7	7	1 747	111 518	1 313	2 928	80 343	826 727	636 571	1 486 543	33 218	
32211	Pulp mills	—	1	1	e	D	D	D	D	D	D	D	D	
322110	Pulp mills	—	1	1	e	D	D	D	D	D	D	D	D	
32212	Paper mills	—	4	4	g	D	D	D	D	D	D	D	D	
322121	Paper (except newsprint) mills	—	4	4	g	D	D	D	D	D	D	D	D	
32213	Paperboard mills	—	2	2	e	D	D	D	D	D	D	D	D	
322130	Paperboard mills	—	2	2	e	D	D	D	D	D	D	D	D	
3222	Converted paper product manufacturing	—	92	65	9 426	342 689	7 291	15 162	224 102	1 367 240	1 560 322	2 910 919	81 886	
32221	Paperboard container manufacturing	—	50	40	3 912	141 856	3 099	6 468	96 146	457 499	510 809	934 390	23 829	
322211	Corrugated and solid fiber box manufacturing	—	33	26	2 320	81 980	1 777	3 637	51 402	204 753	322 479	516 955	16 185	
322212	Folding paperboard box manufacturing	2	5	4	538	21 102	456	1 071	16 384	55 125	66 822	120 030	2 142	
322214	Fiber can, tube, drum, and similar products manufacturing	—	8	6	340	11 288	279	558	7 735	29 178	34 200	63 331	D	
322215	Nonfolding sanitary food container manufacturing ...	—	3	3	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)				
KENTUCKY—Con.													
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing—Con.												
32222	Paper bag and coated and treated paper manufacturing . . .	—	19	14	3 443	123 245	2 701	5 573	82 210	450 907	551 879	1 009 686	46 016
322221	Coated and laminated packaging paper and plastics film manufacturing . . .	—	1	1	c	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	—	11	6	1 914	72 852	1 556	3 170	51 671	313 811	283 156	600 547	D
322224	Uncoated paper and multiwall bag manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
322225	Laminated aluminum foil manufacturing for flexible packaging uses	—	4	4	f	D	D	D	D	D	D	D	7 240
32223	Stationery product manufacturing	—	15	7	907	29 410	734	1 586	21 010	141 137	280 537	430 888	2 869
322231	Die-cut paper and paperboard office supplies manufacturing	—	5	2	c	D	D	D	D	D	D	D	294
322232	Envelope manufacturing	—	5	3	401	15 456	298	583	10 014	42 337	48 350	90 712	D
322233	Stationery, tablet, and related product manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	—	8	4	1 164	48 178	757	1 535	24 736	317 697	217 097	535 955	9 172
322291	Sanitary paper product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	'410	'95	'12 986	'466 580	'10 149	'19 535	'329 327	'1 076 502	'602 911	'1 674 788	'85 787
3231	Printing and related support activities	1	'410	'95	'12 986	'466 580	'10 149	'19 535	'329 327	'1 076 502	'602 911	'1 674 788	'85 787
32311	Printing	1	'384	'88	'12 389	'435 307	'9 694	'18 751	'306 262	'998 833	'594 402	'1 588 504	'77 526
323110	Commercial lithographic printing	1	182	51	8 279	300 348	6 709	13 082	220 167	605 891	438 661	1 040 851	44 954
323111	Commercial gravure printing	—	8	2	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	—	17	8	528	17 954	388	803	11 325	54 698	42 526	97 413	1 874
323113	Commercial screen printing	—	42	'11	'880	'26 004	'589	'1 190	'15 273	'62 873	'27 854	'90 641	D
323114	Quick printing	4	78	3	358	10 409	238	408	6 573	22 644	8 270	30 914	884
323115	Digital printing	4	16	3	233	8 055	134	211	3 654	14 932	5 324	20 184	730
323116	Manifold business forms printing	—	7	3	232	6 674	167	374	3 923	28 530	10 485	40 134	959
323117	Books printing	—	7	4	1 131	43 220	947	1 784	31 185	99 380	48 262	143 473	D
323119	Other commercial printing	6	25	2	c	D	D	D	D	D	D	D	324
32312	Support activities for printing	—	26	7	597	31 273	455	784	23 065	77 669	8 509	86 284	8 261
323122	Prepress services	—	21	6	557	30 054	424	726	22 281	75 373	8 223	83 702	D
324	Petroleum and coal products manufacturing	—	48	4	1 305	59 767	789	1 770	46 998	387 410	2 577 473	2 961 553	D
3241	Petroleum and coal products manufacturing	—	48	4	1 305	59 767	789	1 770	46 998	387 410	2 577 473	2 961 553	D
32411	Petroleum refineries	—	2	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries	—	2	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	—	42	1	c	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing	—	42	1	c	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	178	92	13 471	729 860	8 335	17 316	399 084	3 191 763	3 936 720	7 078 802	195 608
3251	Basic chemical manufacturing	1	41	22	5 201	309 898	3 020	6 311	167 447	1 148 161	1 305 895	2 454 228	80 154
32512	Industrial gas manufacturing	—	12	2	295	19 076	185	434	10 971	215 700	93 315	293 298	7 839
325120	Industrial gas manufacturing	—	12	2	295	19 076	185	434	10 971	215 700	93 315	293 298	7 839
32513	Synthetic dye and pigment manufacturing	—	4	3	e	D	D	D	D	D	D	D	3 343
325132	Synthetic organic dye and pigment manufacturing	—	4	3	e	D	D	D	D	D	D	D	3 343
32518	Other basic inorganic chemical manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	—	7	5	2 176	141 548	1 168	2 373	74 251	362 587	442 064	809 226	D
32519	Other basic organic chemical manufacturing	1	16	11	2 277	133 063	1 347	2 874	73 401	500 163	679 480	1 185 606	59 589
325191	Gum and wood chemical manufacturing	—	2	2	c	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	1	13	8	2 059	125 588	1 154	2 436	67 876	434 587	639 569	1 077 609	55 817
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	25	21	3 363	217 393	2 222	4 796	121 284	898 195	1 542 746	2 412 259	59 596
32521	Resin and synthetic rubber manufacturing	—	25	21	3 363	217 393	2 222	4 796	121 284	898 195	1 542 746	2 412 259	59 596
325211	Plastics material and resin manufacturing	—	21	18	2 318	154 838	1 570	3 447	84 020	619 899	1 299 079	1 901 435	45 011
325212	Synthetic rubber manufacturing	—	4	3	1 045	62 555	652	1 349	37 264	278 296	243 667	510 824	14 585

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

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

NAICS code	Geographic area and industry	E1	All establishments 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)				
KENTUCKY—Con.													
325	Chemical manufacturing—Con.												
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	1	7	2	106	3 601	54	123	1 552	14 186	13 517	28 199	449
32531	Fertilizer manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	9	4	398	15 183	230	390	7 626	39 895	27 138	66 481	498
32541	Pharmaceutical and medicine manufacturing	—	9	4	398	15 183	230	390	7 626	39 895	27 138	66 481	498
325412	Pharmaceutical preparation manufacturing	1	5	1	314	12 694	156	309	5 723	29 588	5 713	34 641	293
3255	Paint, coating, and adhesive manufacturing	2	36	24	1 927	83 224	1 193	2 326	44 494	683 592	605 057	1 286 064	11 049
32551	Paint and coating manufacturing	—	29	19	1 190	47 825	682	1 331	21 895	424 403	365 812	790 697	4 007
325510	Paint and coating manufacturing	—	29	19	1 190	47 825	682	1 331	21 895	424 403	365 812	790 697	4 007
32552	Adhesive manufacturing	5	7	5	737	35 399	511	995	22 599	259 189	239 245	495 367	7 042
325520	Adhesive manufacturing	5	7	5	737	35 399	511	995	22 599	259 189	239 245	495 367	7 042
3256	Soap, cleaning compound, and toilet preparation manufacturing	1	23	6	1 306	49 220	820	1 796	26 081	190 441	280 100	466 912	31 634
32561	Soap and cleaning compound manufacturing	—	15	3	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	—	6	1	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	2	8	1	c	D	D	D	D	D	D	D	278
32562	Toilet preparation manufacturing	2	8	3	e	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	2	8	3	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	1	37	13	1 170	51 341	796	1 574	30 600	217 293	162 267	364 659	12 228
32591	Printing ink manufacturing	—	7	3	402	15 594	228	459	7 846	75 686	74 585	136 847	D
325910	Printing ink manufacturing	—	7	3	402	15 594	228	459	7 846	75 686	74 585	136 847	D
32592	Explosives manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
325920	Explosives manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	2	25	8	f	D	D	D	D	D	D	D	4 197
325991	Custom compounding of purchased resins	5	9	3	186	7 471	140	293	5 033	24 735	25 437	50 062	516
325998	All other miscellaneous chemical product and preparation manufacturing	1	13	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	205	129	20 159	614 653	16 265	31 388	433 963	1 964 760	1 754 272	3 729 307	185 551
3261	Plastics product manufacturing ..	2	171	117	16 481	485 799	13 471	25 760	347 591	1 535 188	1 469 771	3 002 465	165 216
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	3	19	13	2 056	77 913	1 590	3 142	51 658	332 840	279 389	609 674	20 532
326111	Plastics bag manufacturing ..	1	4	3	e	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing	1	2	1	c	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	3	13	9	1 513	58 516	1 137	2 200	36 093	268 895	234 135	499 271	16 942
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	—	16	13	f	D	D	D	D	D	D	D	D
326121	Unlaminated plastics profile shape manufacturing	—	8	6	e	D	D	D	D	D	D	D	D
326122	Plastics pipe and pipe fitting manufacturing	—	8	7	582	15 551	446	933	10 612	68 416	87 691	155 023	2 063
32614	Polystyrene foam product manufacturing	3	6	3	1 543	40 815	1 392	2 256	34 694	79 073	119 045	197 406	17 803
326140	Polystyrene foam product manufacturing	3	6	3	1 543	40 815	1 392	2 256	34 694	79 073	119 045	197 406	17 803
32615	Urethane and other foam product (except polystyrene) manufacturing	—	12	11	943	25 534	751	1 363	18 305	131 480	125 052	255 422	6 774
326150	Urethane and other foam product (except polystyrene) manufacturing	—	12	11	943	25 534	751	1 363	18 305	131 480	125 052	255 422	6 774
32616	Plastics bottle manufacturing ..	—	9	6	788	28 184	692	1 508	22 557	66 026	103 087	170 082	22 345
326160	Plastics bottle manufacturing	—	9	6	788	28 184	692	1 508	22 557	66 026	103 087	170 082	22 345
32619	Other plastics product manufacturing	2	106	70	10 109	283 937	8 217	15 845	199 816	809 127	720 361	1 531 430	93 738
326191	Plastics plumbing fixture manufacturing	—	7	4	407	9 972	335	609	7 212	34 368	17 451	52 179	1 883
326199	All other plastics product manufacturing	2	99	66	9 702	273 965	7 882	15 236	192 604	774 759	702 910	1 479 251	91 855

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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)
KENTUCKY—Con.													
326	Plastics and rubber products manufacturing—Con.												
3262	Rubber product manufacturing . . .	—	34	12	3 678	128 854	2 794	5 628	86 372	429 572	284 501	726 842	20 335
32621	Tire manufacturing	—	12	2	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	—	2	1	g	D	D	D	D	D	D	D	D
326212	Tire retreading	2	10	1	c	D	D	D	D	D	D	D	320
32622	Rubber and plastics hoses and belting manufacturing	—	5	3	774	32 634	571	1 304	19 311	116 312	63 215	180 123	D
326220	Rubber and plastics hoses and belting manufacturing	—	5	3	774	32 634	571	1 304	19 311	116 312	63 215	180 123	D
32629	Other rubber product manufacturing	—	17	7	g	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	9	6	1 385	40 667	1 090	1 809	22 794	129 061	86 945	214 666	3 316
327	Nonmetallic mineral product manufacturing	1	266	96	9 932	349 862	7 837	16 345	249 651	995 370	862 626	1 852 173	95 429
3271	Clay product and refractory manufacturing	2	26	12	1 492	48 710	1 212	2 512	34 930	124 531	83 812	213 329	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	—	13	4	478	13 896	386	745	10 088	27 465	14 732	43 938	386
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	—	1	1	e	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	—	10	3	c	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	3	13	8	1 014	34 814	826	1 767	24 842	97 066	69 080	169 391	D
327121	Brick and structural clay tile manufacturing	3	5	4	271	9 024	217	452	5 954	27 589	12 203	39 351	D
327122	Ceramic wall and floor tile manufacturing	5	3	2	e	D	D	D	D	D	D	D	D
327125	Nonclay refractory manufacturing	2	3	2	369	14 337	282	609	9 607	35 667	34 957	74 284	1 585
3272	Glass and glass product manufacturing	—	32	17	3 726	142 635	3 026	6 499	102 454	426 246	406 367	828 016	54 401
32721	Glass and glass product manufacturing	—	32	17	3 726	142 635	3 026	6 499	102 454	426 246	406 367	828 016	54 401
327211	Flat glass manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	—	23	11	2 302	82 028	1 857	3 933	57 449	231 320	254 171	482 538	23 472
3273	Cement and concrete product manufacturing	1	164	51	3 008	95 715	2 274	4 595	68 105	252 669	205 182	452 420	23 050
32731	Cement manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
327310	Cement manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	1	102	28	1 530	48 463	1 182	2 316	37 391	137 984	129 302	267 337	15 106
327320	Ready-mix concrete manufacturing	1	102	28	1 530	48 463	1 182	2 316	37 391	137 984	129 302	267 337	15 106
32733	Concrete pipe, brick, and block manufacturing	—	25	10	e	D	D	D	D	D	D	D	D
327331	Concrete block and brick manufacturing	—	18	8	306	8 008	167	349	4 196	28 547	27 036	54 359	D
32739	Other concrete product manufacturing	1	36	12	918	27 956	740	1 516	19 204	60 151	25 771	84 671	3 493
327390	Other concrete product manufacturing	1	36	12	918	27 956	740	1 516	19 204	60 151	25 771	84 671	3 493
3274	Lime and gypsum product manufacturing	—	7	4	653	26 903	495	1 088	19 813	111 439	90 851	201 686	D
32741	Lime manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327410	Lime manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32742	Gypsum product manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
327420	Gypsum product manufacturing	—	5	2	c	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	5	37	12	1 053	35 899	830	1 651	24 349	80 485	76 414	156 722	3 441
32791	Abrasive product manufacturing	2	3	1	104	3 236	70	131	1 626	7 163	4 181	11 422	D
327910	Abrasive product manufacturing	2	3	1	104	3 236	70	131	1 626	7 163	4 181	11 422	D
32799	All other nonmetallic mineral product manufacturing	5	34	11	949	32 663	760	1 520	22 723	73 322	72 233	145 300	D
327991	Cut stone and stone product manufacturing	3	17	3	163	5 160	129	240	3 484	16 359	10 241	26 748	318
327992	Ground or treated mineral and earth manufacturing	—	7	3	117	4 887	90	180	3 896	18 138	15 384	33 062	D
327993	Mineral wool manufacturing	9	2	2	f	D	D	D	D	D	D	D	D
327999	All other miscellaneous nonmetallic mineral product manufacturing	2	8	3	c	D	D	D	D	D	D	D	278

Table 1. Industry Statistics for the State: 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)				
KENTUCKY—Con.													
331	Primary metal manufacturing	—	'78	'60	'14 540	'631 043	'11 737	'24 559	'469 591	'2 617 857	'3 772 616	'6 424 879	'119 799
3311	Iron and steel mills and ferroalloy manufacturing	—	'9	'7	'2 294	'118 797	'1 836	'3 917	'91 546	'462 253	'658 130	'1 134 366	'8 327
33111	Iron and steel mills and ferroalloy manufacturing	—	'9	'7	'2 294	'118 797	'1 836	'3 917	'91 546	'462 253	'658 130	'1 134 366	'8 327
331111	Iron and steel mills	—	'8	'6	g	D	D	D	D	D	D	D	D
331112	Electrometallurgical ferroalloy product manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	15	11	1 257	46 573	1 016	2 190	35 105	116 953	224 283	343 579	10 548
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	5	5	326	13 137	262	511	9 784	36 428	46 173	82 768	3 096
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	5	5	326	13 137	262	511	9 784	36 428	46 173	82 768	3 096
33122	Rolling and drawing of purchased steel	—	10	6	931	33 436	754	1 679	25 321	80 525	178 110	260 811	7 452
331222	Steel wire drawing	—	9	5	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	20	19	5 652	266 044	4 283	9 053	181 539	1 376 651	2 098 087	3 503 731	67 968
33131	Alumina and aluminum production and processing	—	20	19	5 652	266 044	4 283	9 053	181 539	1 376 651	2 098 087	3 503 731	67 968
331312	Primary aluminum production	—	2	2	g	D	D	D	D	D	D	D	D
331314	Secondary smelting and alloying of aluminum	—	5	5	341	14 399	246	505	9 216	73 760	453 450	525 034	5 159
331315	Aluminum sheet, plate, and foil manufacturing	—	8	7	2 944	150 815	2 150	4 696	103 073	1 034 189	888 500	1 953 933	30 439
331316	Aluminum extruded product manufacturing	—	3	3	796	26 297	679	1 318	18 308	42 388	340 636	382 751	D
3314	Nonferrous metal (except aluminum) production and processing	—	12	9	990	39 719	830	1 665	31 175	161 337	227 780	378 441	5 732
33142	Copper rolling, drawing, extruding, and alloying	—	6	5	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	—	4	3	466	19 907	403	772	15 719	84 867	165 783	249 128	D
331422	Copper wire (except mechanical) drawing	—	2	2	c	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	6	5	3	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	8	4	2	208	8 534	179	389	7 081	39 681	13 797	44 334	D
3315	Foundries	—	22	14	4 347	159 910	3 772	7 734	130 226	500 663	564 336	1 064 762	27 224
33151	Ferrous metal foundries	—	5	5	f	D	D	D	D	D	D	D	2 920
331511	Iron foundries	5	3	3	c	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	—	1	1	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	17	9	h	D	D	D	D	D	D	D	24 304
331521	Aluminum die-casting foundries	—	6	4	1 186	40 900	1 055	2 194	36 232	103 313	126 866	229 655	11 448
331522	Nonferrous (except aluminum) die-casting foundries	—	6	3	707	23 080	632	1 268	19 339	56 467	36 566	91 910	D
331524	Aluminum foundries (except die-casting)	—	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	781	275	'24 921	'878 614	'18 453	'36 554	'555 251	'2 540 121	'2 674 658	'5 136 588	'286 994
3321	Forging and stamping	1	41	27	3 203	113 686	2 407	4 699	75 302	319 450	391 899	701 912	46 185
33211	Forging and stamping	1	41	27	3 203	113 686	2 407	4 699	75 302	319 450	391 899	701 912	46 185
332111	Iron and steel forging	—	9	5	788	31 926	565	1 007	20 402	109 828	131 032	234 658	14 570
332114	Custom roll forming	—	7	6	f	D	D	D	D	D	D	D	D
332115	Crown and closure manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
332116	Metal stamping	2	23	15	1 688	53 680	1 270	2 540	36 194	133 673	140 273	273 131	16 413
3322	Cutlery and handtool manufacturing	1	27	10	947	35 599	710	1 480	22 083	67 699	43 969	114 884	D
33221	Cutlery and handtool manufacturing	1	27	10	947	35 599	710	1 480	22 083	67 699	43 969	114 884	D
332212	Hand and edge tool manufacturing	1	18	5	e	D	D	D	D	D	D	D	D
332213	Saw blade and handsaw manufacturing	—	6	4	503	19 472	364	775	10 760	35 323	24 560	63 154	D
3323	Architectural and structural metals manufacturing	3	208	61	3 698	123 334	2 810	5 455	80 049	308 224	270 978	571 887	15 744

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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)
KENTUCKY—Con.													
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing—Con.												
33231	Plate work and fabricated structural product manufacturing	3	97	28	1 614	57 215	1 171	2 385	34 977	140 186	130 790	266 066	9 900
332311	Prefabricated metal building and component manufacturing												
332312	Fabricated structural metal manufacturing	2	18	3	237	8 293	153	307	4 290	19 162	26 249	45 369	3 088
332313	Plate work manufacturing ...	3	62	19	1 090	39 593	794	1 627	24 339	105 653	94 521	195 374	5 970
33232	Ornamental and architectural metal products manufacturing	3	17	6	287	9 329	224	451	6 348	15 371	10 020	25 323	842
332321	Metal window and door manufacturing	4	111	33	2 084	66 119	1 639	3 070	45 072	168 038	140 188	305 821	5 844
332322	Sheet metal work manufacturing	7	14	5	320	9 415	248	506	5 994	21 440	18 464	39 286	824
332323	Ornamental and architectural metal work manufacturing ..	3	56	25	1 454	47 577	1 159	2 204	33 582	129 139	106 342	233 786	4 536
3324	Boiler, tank, and shipping container manufacturing	5	41	3	310	9 127	232	360	5 496	17 459	15 382	32 749	484
33241	Power boiler and heat exchanger manufacturing	1	29	15	1 622	52 072	953	2 040	28 320	157 299	117 046	275 321	D
332410	Power boiler and heat exchanger manufacturing ..	—	4	1	c	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	4	1	c	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	1	16	10	1 144	36 208	523	1 061	15 132	121 283	76 613	198 579	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	1	16	10	1 144	36 208	523	1 061	15 132	121 283	76 613	198 579	D
332439	Other metal container manufacturing	1	9	4	e	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	1	9	4	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	—	15	13	2 079	63 916	1 613	3 381	43 661	179 630	199 506	378 174	10 835
33251	Hardware manufacturing	—	15	13	2 079	63 916	1 613	3 381	43 661	179 630	199 506	378 174	10 835
332510	Hardware manufacturing	—	15	13	2 079	63 916	1 613	3 381	43 661	179 630	199 506	378 174	10 835
3326	Spring and wire product manufacturing	—	'31	'17	'2 437	'86 761	'1 905	'3 523	'54 200	'250 046	'215 648	'462 471	'15 821
33261	Spring and wire product manufacturing	—	'31	'17	'2 437	'86 761	'1 905	'3 523	'54 200	'250 046	'215 648	'462 471	'15 821
332611	Spring (heavy gauge) manufacturing	—	'6	'4	'917	'40 890	'636	'1 396	'21 490	'132 902	'127 211	'256 065	'9 604
332612	Spring (light gauge) manufacturing	—	7	5	1 002	29 857	881	1 390	23 132	74 261	66 207	141 518	3 042
332618	Other fabricated wire product manufacturing	2	18	8	518	16 014	388	737	9 578	42 883	22 230	64 888	3 175
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	'294	'70	'4 639	'156 247	'3 439	'6 618	'100 123	'357 151	'189 611	'549 707	'23 025
33271	Machine shops	3	'257	'46	'3 319	'114 868	'2 449	'4 653	'73 082	'235 074	'93 741	'332 308	'9 944
332710	Machine shops	3	'257	'46	'3 319	'114 868	'2 449	'4 653	'73 082	'235 074	'93 741	'332 308	'9 944
33272	Turned product and screw, nut, and bolt manufacturing	—	37	24	1 320	41 379	990	1 965	27 041	122 077	95 870	217 399	13 081
332721	Precision turned product manufacturing	—	25	14	604	18 519	459	877	12 037	35 661	17 980	53 748	3 157
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	12	10	716	22 860	531	1 088	15 004	86 416	77 890	163 651	9 924
3328	Coating, engraving, heat treating, and allied activities	—	56	22	2 115	83 185	1 597	3 358	53 745	277 050	566 463	789 634	D
33281	Coating, engraving, heat treating, and allied activities ..	—	56	22	2 115	83 185	1 597	3 358	53 745	277 050	566 463	789 634	D
332811	Metal heat treating	—	10	4	f	D	D	D	D	D	D	D	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	20	10	748	25 939	551	1 069	15 905	60 954	56 830	117 393	D
332813	Electroplating, plating, polishing, anodizing, and coloring	1	26	8	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	80	40	4 181	163 814	3 019	6 000	97 768	623 572	679 538	1 292 598	20 624
33291	Metal valve manufacturing	—	5	4	1 204	46 419	872	1 719	25 890	146 861	220 554	363 163	3 997
332911	Industrial valve manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	75	36	2 977	117 395	2 147	4 281	71 878	476 711	458 984	929 435	16 627
332991	Ball and roller bearing manufacturing	—	8	5	531	19 425	440	830	15 661	115 757	53 214	169 666	3 525
332994	Small arms manufacturing...	7	4	2	138	3 636	117	232	2 620	19 551	7 368	28 801	D
332995	Other ordnance and accessories manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D

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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)	
KENTUCKY—Con.														
332	Fabricated metal product manufacturing—Con.													
3329	Other fabricated metal product manufacturing—Con.													
33299	All other fabricated metal product manufacturing—Con.													
332996	Fabricated pipe and pipe fitting manufacturing	3	6	3	c	D	D	D	D	D	D	D		
332999	All other miscellaneous fabricated metal product manufacturing	—	53	24		1 814	73 577	1 237	2 494	44 428	262 820	365 823	637 522	11 223
333	Machinery manufacturing	—	352	140		18 512	704 551	12 578	24 057	398 903	1 516 741	2 208 549	3 773 965	74 389
3331	Agriculture, construction, and mining machinery manufacturing	1	42	14		1 686	61 226	1 203	1 929	36 200	116 996	232 271	361 783	11 300
33311	Agricultural implement manufacturing	3	16	2	c	D	D	D	D	D	D	D	D	1 316
333111	Farm machinery and equipment manufacturing ..	2	13	2	c	D	D	D	D	D	D	D	D	1 251
33312	Construction machinery manufacturing	—	12	9		1 154	42 571	866	1 266	26 920	77 479	183 041	273 038	9 238
333120	Construction machinery manufacturing	—	12	9		1 154	42 571	866	1 266	26 920	77 479	183 041	273 038	9 238
33313	Mining and oil and gas field machinery manufacturing	3	14	3	e	D	D	D	D	D	D	D	D	746
333131	Mining machinery and equipment manufacturing ..	3	13	3		339	13 257	200	414	5 808	28 820	28 685	57 655	D
3332	Industrial machinery manufacturing	6	38	11		576	25 459	368	738	13 124	46 760	47 039	94 247	3 106
33329	Other industrial machinery manufacturing	4	26	8		420	17 778	250	500	8 255	29 881	22 409	52 550	D
333294	Food product machinery manufacturing	9	4	1	c	D	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	1	10	4		185	7 517	113	222	3 693	12 218	8 503	20 809	329
3333	Commercial and service industry machinery manufacturing	1	23	14		1 213	36 487	779	1 554	20 464	88 938	81 169	169 346	2 878
33331	Commercial and service industry machinery manufacturing	1	23	14		1 213	36 487	779	1 554	20 464	88 938	81 169	169 346	2 878
333312	Commercial laundry, drycleaning, and pressing machine manufacturing	—	1	1	c	D	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	1	15	10		943	28 281	624	1 286	16 020	74 839	64 331	134 957	2 577
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	28	20		4 955	155 039	3 683	7 040	96 979	453 087	394 373	856 167	12 311
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	28	20		4 955	155 039	3 683	7 040	96 979	453 087	394 373	856 167	12 311
333411	Air purification equipment manufacturing	—	11	5		702	18 844	524	1 075	11 252	44 649	40 534	85 479	2 491
333412	Industrial and commercial fan and blower manufacturing ..	—	3	3		500	17 967	402	760	13 331	63 506	43 136	109 317	D
333414	Heating equipment (except warm air furnaces) manufacturing	1	3	3		1 058	33 712	670	1 265	14 139	99 672	85 525	187 907	4 648
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	11	9		2 695	84 516	2 087	3 940	58 257	245 260	225 178	473 464	D
3335	Metalworking machinery manufacturing	—	115	28		2 645	108 293	1 674	3 176	55 062	274 617	301 512	583 661	13 215
33351	Metalworking machinery manufacturing	—	115	28		2 645	108 293	1 674	3 176	55 062	274 617	301 512	583 661	13 215
333511	Industrial mold manufacturing	—	37	10		864	26 577	653	1 191	17 858	87 739	35 819	128 952	5 536
333512	Machine tool (metal cutting types) manufacturing	—	3	2	f	D	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	53	9		634	25 594	449	943	16 819	39 486	15 700	53 737	3 322
333515	Cutting tool and machine tool accessory manufacturing...	5	14	3		152	6 069	113	231	4 413	12 885	8 900	21 806	900
333518	Other metalworking machinery manufacturing ..	—	4	2	c	D	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)				
KENTUCKY—Con.													
333	Machinery manufacturing—Con.												
3336	Engine, turbine, and power transmission equipment manufacturing	-	10	7	1 903	75 507	1 536	2 851	50 624	139 902	282 781	437 177	11 496
33361	Engine, turbine, and power transmission equipment manufacturing	-	10	7	1 903	75 507	1 536	2 851	50 624	139 902	282 781	437 177	11 496
333613	Mechanical power transmission equipment manufacturing	-	5	3	690	35 988	442	1 029	18 913	71 914	66 380	139 667	D
333618	Other engine equipment manufacturing	-	5	4	1 213	39 519	1 094	1 822	31 711	67 988	216 401	297 510	D
3339	Other general purpose machinery manufacturing	1	96	46	5 534	242 540	3 335	6 769	126 450	396 441	869 404	1 271 584	20 083
33391	Pump and compressor manufacturing	2	7	5	991	32 810	646	1 309	23 573	10 321	315 114	322 182	2 760
333911	Pump and pumping equipment manufacturing ..	8	4	3	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	-	32	19	2 251	98 808	1 411	2 830	51 974	167 276	389 213	559 272	10 376
333921	Elevator and moving stairway manufacturing	-	3	2	c	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	1	22	13	1 314	61 924	714	1 323	28 250	116 661	146 305	267 414	3 377
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	-	5	3	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	-	57	22	2 292	110 922	1 278	2 630	50 903	218 844	165 077	390 130	6 947
333992	Welding and soldering equipment manufacturing ..	2	4	4	198	7 435	127	231	3 868	22 719	23 032	45 613	976
333993	Packaging machinery manufacturing	-	8	4	904	51 294	494	1 036	23 521	91 330	72 506	165 268	3 613
333996	Fluid power pump and motor manufacturing	-	4	1	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	-	28	9	730	33 169	380	735	11 204	62 972	46 034	113 493	1 444
334	Computer and electronic product manufacturing	-	68	30	6 462	364 219	2 059	3 790	55 930	1 838 540	1 104 057	2 990 250	57 986
3341	Computer and peripheral equipment manufacturing	-	6	5	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	-	6	5	h	D	D	D	D	D	D	D	D
334113	Computer terminal manufacturing	-	2	1	c	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	4	4	h	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	1	6	2	c	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	1	5	2	c	D	D	D	D	D	D	D	450
334220	Radio and television broadcasting and wireless communications equipment manufacturing	1	5	2	c	D	D	D	D	D	D	D	450
3343	Audio and video equipment manufacturing	1	8	6	657	23 194	426	863	10 531	44 793	53 165	98 078	1 604
33431	Audio and video equipment manufacturing	1	8	6	657	23 194	426	863	10 531	44 793	53 165	98 078	1 604
334310	Audio and video equipment manufacturing	1	8	6	657	23 194	426	863	10 531	44 793	53 165	98 078	1 604
3344	Semiconductor and other electronic component manufacturing	-	21	11	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	21	11	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	1	7	2	141	4 648	108	204	2 920	3 386	33 019	39 361	151
334415	Electronic resistor manufacturing	-	2	2	c	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	-	5	4	520	17 618	300	668	7 005	32 648	36 799	68 195	D
334419	Other electronic component manufacturing	-	5	2	c	D	D	D	D	D	D	D	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)				
KENTUCKY—Con.													
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	26	6	f	D	D	D	D	D	D	D	2 229
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	26	6	f	D	D	D	D	D	D	D	2 229
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	—	3	1	c	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	8	1	e	D	D	D	D	D	D	D	204
334514	Totalizing fluid meter and counting device manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing	—	4	3	c	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	76	43	13 628	489 293	10 930	21 111	340 978	1 594 520	1 542 425	3 151 430	133 171
3351	Electric lighting equipment manufacturing	—	14	5	g	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	1	9	2	c	D	D	D	D	D	D	D	124
3352	Household appliance manufacturing	—	9	7	i	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing	1	7	5	h	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	2	3	2	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	36	19	4 222	140 145	3 315	6 591	98 530	503 904	371 439	872 571	28 381
33531	Electrical equipment manufacturing	—	36	19	4 222	140 145	3 315	6 591	98 530	503 904	371 439	872 571	28 381
335311	Power, distribution, and specialty transformer manufacturing	—	4	2	c	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	—	11	9	2 179	58 825	1 897	3 857	50 608	160 064	182 209	342 500	10 730
335313	Switchgear and switchboard apparatus manufacturing	—	10	4	1 568	63 076	1 090	2 070	39 057	304 801	147 276	449 574	D
335314	Relay and industrial control manufacturing	2	11	4	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	2	17	12	2 737	95 576	2 238	4 576	68 870	372 073	291 830	672 288	22 969
33591	Battery manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	7	2	2	f	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing	2	7	6	1 659	59 570	1 401	2 758	44 644	256 523	223 516	483 809	9 940
335929	Other communication and energy wire manufacturing	2	7	6	1 659	59 570	1 401	2 758	44 644	256 523	223 516	483 809	9 940
33593	Wiring device manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	1	6	3	127	5 500	78	151	2 595	24 125	27 649	51 682	695
336	Transportation equipment manufacturing	—	'216	'139	'49 793	'2 480 562	'41 648	'85 828	'2 030 698	'7 508 365	'24 313 890	'31 771 011	'591 462
3361	Motor vehicle manufacturing	—	11	6	18 589	1 323 533	17 278	35 427	1 232 063	4 504 260	18 259 545	22 729 185	135 146
33611	Automobile and light duty motor vehicle manufacturing	—	9	5	i	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	—	6	3	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	3	2	i	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)				
KENTUCKY—Con.													
336	Transportation equipment manufacturing—Con.												
3362	Motor vehicle body and trailer manufacturing	1	28	12	1 649	59 575	1 281	2 651	35 384	58 659	221 377	272 697	14 686
33621	Motor vehicle body and trailer manufacturing	1	28	12	1 649	59 575	1 281	2 651	35 384	58 659	221 377	272 697	14 686
336211	Motor vehicle body manufacturing	—	14	5	907	39 675	637	1 466	21 007	23 877	150 098	168 249	D
336212	Truck trailer manufacturing ..	1	4	4	466	13 543	406	774	10 059	21 455	43 737	64 968	D
336214	Travel trailer and camper manufacturing	2	9	3	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	'138	'105	'27 419	'1 012 113	'21 406	'44 543	'704 087	'2 734 711	'5 479 193	'8 198 571	'435 054
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	20	9	g	D	D	D	D	D	D	D	26 844
336311	Carburetor, piston, piston ring, and valve manufacturing	—	5	4	e	D	D	D	D	D	D	D	4 112
336312	Gasoline engine and engine parts manufacturing	—	15	5	1 789	70 882	1 211	2 148	50 616	61 815	544 469	603 604	22 732
33632	Motor vehicle electrical and electronic equipment manufacturing	1	15	5	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	13	4	1 545	48 962	1 281	2 694	38 859	109 008	152 066	258 473	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	8	7	2 296	98 985	1 479	3 247	53 290	210 412	445 826	652 214	37 655
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	8	7	2 296	98 985	1 479	3 247	53 290	210 412	445 826	652 214	37 655
33634	Motor vehicle brake system manufacturing	—	15	15	3 817	140 426	3 069	6 686	95 809	560 062	508 108	1 060 572	85 679
336340	Motor vehicle brake system manufacturing	—	15	15	3 817	140 426	3 069	6 686	95 809	560 062	508 108	1 060 572	85 679
33635	Motor vehicle transmission and power train parts manufacturing	—	'10	'9	'2 467	'100 629	'1 957	'4 287	'71 612	'341 353	'1 051 658	'1 384 588	'48 770
336350	Motor vehicle transmission and power train parts manufacturing	—	'10	'9	'2 467	'100 629	'1 957	'4 287	'71 612	'341 353	'1 051 658	'1 384 588	'48 770
33636	Motor vehicle seating and interior trim manufacturing	—	12	11	3 707	119 133	3 015	5 912	90 363	242 333	1 198 021	1 449 320	30 369
336360	Motor vehicle seating and interior trim manufacturing ..	—	12	11	3 707	119 133	3 015	5 912	90 363	242 333	1 198 021	1 449 320	30 369
33637	Motor vehicle metal stamping ..	—	17	15	4 513	169 630	3 820	8 218	133 418	573 466	618 868	1 194 332	45 206
336370	Motor vehicle metal stamping	—	17	15	4 513	169 630	3 820	8 218	133 418	573 466	618 868	1 194 332	45 206
33639	Other motor vehicle parts manufacturing	—	41	34	i	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	40	33	6 579	237 968	5 083	10 212	153 865	477 569	907 311	1 379 422	140 635
3364	Aerospace product and parts manufacturing	—	9	3	1 121	58 243	820	1 541	38 922	148 590	285 683	440 321	4 456
33641	Aerospace product and parts manufacturing	—	9	3	1 121	58 243	820	1 541	38 922	148 590	285 683	440 321	4 456
336412	Aircraft engine and engine parts 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	c	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
3366	Ship and boat building	—	26	12	f	D	D	D	D	D	D	D	D
33661	Ship and boat building	—	26	12	f	D	D	D	D	D	D	D	D
336612	Boat building	—	22	11	819	20 353	715	1 367	15 804	40 222	50 469	90 691	1 463
337	Furniture and related product manufacturing	3	'237	'53	'5 796	'160 320	'4 648	'9 112	'113 235	'330 651	'265 982	'595 891	'23 845
3371	Household and institutional furniture and kitchen cabinet manufacturing	4	180	25	3 115	79 328	2 497	4 887	55 009	156 668	133 841	291 283	D
33711	Wood kitchen cabinet and countertop manufacturing	3	106	12	1 408	35 001	1 120	2 153	25 200	58 523	54 835	113 989	2 760
337110	Wood kitchen cabinet and countertop manufacturing ..	3	106	12	1 408	35 001	1 120	2 153	25 200	58 523	54 835	113 989	2 760

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

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

NAICS code	Geographic area and industry	E1	All establishments 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)				
KENTUCKY—Con.													
337	Furniture and related product manufacturing—Con.												
3371	Household and institutional furniture and kitchen cabinet manufacturing—Con.												
33712	Household and institutional furniture manufacturing	5	74	13	1 707	44 327	1 377	2 734	29 809	98 145	79 006	177 294	D
337121	Upholstered household furniture manufacturing	2	10	1	165	2 894	141	241	2 044	6 645	6 015	12 419	119
337122	Nonupholstered wood household furniture manufacturing	7	51	6	1 146	29 598	977	2 045	22 718	59 994	45 790	105 750	1 526
337127	Institutional furniture manufacturing	—	8	5	346	10 555	222	376	4 378	29 205	24 567	54 224	D
3372	Office furniture (including fixtures) manufacturing	1	'44	'25	'2 287	'68 878	'1 839	'3 682	'50 217	'149 865	'114 240	'263 095	'7 933
33721	Office furniture (including fixtures) manufacturing	1	'44	'25	'2 287	'68 878	'1 839	'3 682	'50 217	'149 865	'114 240	'263 095	'7 933
337211	Wood office furniture manufacturing	—	9	6	900	27 010	735	1 512	21 737	67 839	46 946	113 794	1 285
337212	Custom architectural woodwork and millwork manufacturing	2	14	5	201	6 268	155	263	3 429	10 611	7 000	17 934	534
337215	Showcase, partition, shelving, and locker manufacturing	2	'21	'14	'1 186	'35 600	'949	'1 907	'25 051	'71 415	'60 294	'131 367	'6 114
3379	Other furniture related product manufacturing	2	13	3	394	12 114	312	543	8 009	24 118	17 901	41 513	D
33792	Blind and shade manufacturing	—	4	2	335	10 007	261	476	6 387	20 397	15 150	35 052	D
337920	Blind and shade manufacturing	—	4	2	335	10 007	261	476	6 387	20 397	15 150	35 052	D
339	Miscellaneous manufacturing	1	'335	'82	'8 009	'264 899	'5 547	'10 420	'139 992	'626 751	'477 896	'1 107 098	'73 134
3391	Medical equipment and supplies manufacturing	1	127	21	1 959	64 841	1 455	2 677	37 821	158 921	120 247	279 359	4 870
33911	Medical equipment and supplies manufacturing	1	127	21	1 959	64 841	1 455	2 677	37 821	158 921	120 247	279 359	4 870
339111	Laboratory apparatus and furniture manufacturing	—	4	3	259	7 771	223	449	5 883	22 066	30 823	52 684	309
339112	Surgical and medical instrument manufacturing	3	8	2	c	D	D	D	D	D	D	D	485
339113	Surgical appliance and supplies manufacturing	—	24	7	783	24 157	625	1 174	13 281	62 467	64 356	126 852	2 006
339114	Dental equipment and supplies manufacturing	—	5	2	219	7 336	143	252	3 386	15 848	7 701	24 125	D
339115	Ophthalmic goods manufacturing	9	4	1	c	D	D	D	D	D	D	D	D
339116	Dental laboratories	2	82	6	437	13 101	328	591	9 454	26 600	5 342	31 945	857
3399	Other miscellaneous manufacturing	1	'208	'61	'6 050	'200 058	'4 092	'7 743	'102 171	'467 830	'357 649	'827 739	'68 264
33992	Sporting and athletic goods manufacturing	1	27	6	625	24 332	338	617	9 403	49 168	29 242	77 913	2 495
339920	Sporting and athletic goods manufacturing	1	27	6	625	24 332	338	617	9 403	49 168	29 242	77 913	2 495
33993	Doll, toy, and game manufacturing	—	6	2	464	18 657	204	478	9 853	27 059	20 404	47 755	D
339932	Game, toy, and children's vehicle manufacturing	—	6	2	464	18 657	204	478	9 853	27 059	20 404	47 755	D
33994	Office supplies (except paper) manufacturing	—	5	2	326	7 642	307	617	6 620	13 107	21 818	34 804	D
339944	Carbon paper and inked ribbon manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	1	'77	'8	'1 117	'34 702	'733	'1 388	'18 691	'83 480	'74 899	'157 204	'5 457
339950	Sign manufacturing	1	'77	'8	'1 117	'34 702	'733	'1 388	'18 691	'83 480	'74 899	'157 204	'5 457
33999	All other miscellaneous manufacturing	1	86	42	3 424	110 421	2 457	4 560	56 076	282 527	191 453	477 731	55 545
339991	Gasket, packing, and sealing device manufacturing	—	8	6	843	33 339	566	1 135	16 651	71 872	60 177	130 656	22 462
339993	Fastener, button, needle, and pin manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	2	67	32	2 243	64 455	1 668	3 017	34 204	157 505	117 711	278 638	29 293

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.

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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.												
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.

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	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	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	—	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	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.													
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	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.												
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.

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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.													
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

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	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	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	3	138	73	8 984	305 888	6 707	13 532	202 040	922 431	698 664	1 627 624	51 889
3261	Plastics product manufacturing	3	123	68	8 585	293 360	6 403	12 915	193 771	901 312	679 990	1 586 534	49 612
32611	Plastics packaging materials and un laminated 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	Un laminated 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 un laminated profile shape manufacturing	1	9	6	902	32 062	715	1 427	20 666	100 973	75 491	176 929	9 227
326121	Un laminated 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
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	3	71	38	4 128	136 462	3 034	6 064	80 878	384 177	227 054	609 680	15 910
326199	All other plastics 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.]

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	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.

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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)
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	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

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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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	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.

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	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
CORBIN-LONDON, KY COMBINED STATISTICAL AREA													
31-33	Manufacturing	5	85	32	4 871	135 877	3 790	7 759	94 044	430 908	494 184	926 846	16 436
311	Food manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	3	2	g	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

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
CORBIN-LONDON, KY COMBINED STATISTICAL AREA—Con.													
321	Wood product manufacturing	7	21	5	f	D	D	D	D	D	D	D	D
3211	Sawmills and wood preservation	9	9	2	e	D	D	D	D	D	D	D	D
32111	Sawmills and wood preservation	9	9	2	e	D	D	D	D	D	D	D	D
321113	Sawmills	9	8	2	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	9	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	7	8	5	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing	9	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
335313	Switchgear and switchboard apparatus manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	8	7	3	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	5	3	2	e	D	D	D	D	D	D	D	D
Corbin, KY Micropolitan Statistical Area													
31-33	Manufacturing	7	35	13	1 635	49 397	1 270	2 349	32 434	114 630	152 319	269 271	8 051
327	Nonmetallic mineral product manufacturing	7	5	3	600	20 695	482	989	14 644	38 067	40 461	78 147	2 549
3279	Other nonmetallic mineral product manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
London, KY Micropolitan Statistical Area													
31-33	Manufacturing	4	50	19	3 236	86 480	2 520	5 410	61 610	316 278	341 865	657 575	8 385
311	Food manufacturing	—	5	4	g	D	D	D	D	D	D	D	2 473
3118	Bakeries and tortilla manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	2	2	g	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
321	Wood product manufacturing	8	15	3	e	D	D	D	D	D	D	D	1 493
3211	Sawmills and wood preservation	9	7	2	e	D	D	D	D	D	D	D	1 257
32111	Sawmills and wood preservation	9	7	2	e	D	D	D	D	D	D	D	1 257
321113	Sawmills	9	7	2	e	D	D	D	D	D	D	D	1 257
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
335313	Switchgear and switchboard apparatus manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	8	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)				
	LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA												
31-33	Manufacturing	-	668	265	48 980	2 137 159	35 893	71 248	1 386 019	8 374 895	12 832 552	21 252 499	395 601
311	Food manufacturing	-	32	9	g	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
312	Beverage and tobacco product manufacturing	1	14	12	1 281	46 774	651	1 261	19 431	181 335	207 700	403 896	9 498
3121	Beverage manufacturing	2	12	10	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	1	3	3	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
31214	Distilleries	2	6	5	f	D	D	D	D	D	D	D	D
312140	Distilleries	2	6	5	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing	1	10	5	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	1	10	5	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	28	7	f	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	16	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	15	9	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	15	9	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	10	7	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	1	6	4	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	86	19	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	86	19	g	D	D	D	D	D	D	D	D
32311	Printing	-	78	18	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	38	7	e	D	D	D	D	D	D	D	D
323113	Commercial screen printing..	-	5	4	308	9 864	208	474	6 053	23 787	4 529	28 191	D
323117	Books printing	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	20	8	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	1	5	2	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	1	5	2	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	-	5	3	e	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	-	4	3	e	D	D	D	D	D	D	D	D

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	LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.												
326	Plastics and rubber products manufacturing	1	30	23	h	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	22	20	h	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
326121	Un laminated plastics profile shape manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	16	14	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	2	15	14	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	8	3	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	7	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
327	Nonmetallic mineral product manufacturing	—	39	20	h	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	5	3	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	—	20	11	f	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing	—	6	4	488	14 940	418	853	11 107	28 023	10 015	36 868	1 111
327390	Other concrete product manufacturing	—	6	4	488	14 940	418	853	11 107	28 023	10 015	36 868	1 111
331	Primary metal manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	*1	*125	*54	h	D	D	D	D	D	D	D	D
3321	Forging and stamping.....	—	8	5	f	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	—	8	5	f	D	D	D	D	D	D	D	D
332111	Iron and steel forging	—	4	2	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	3	37	15	g	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	3	26	11	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	3	19	11	f	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
3326	Spring and wire product manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	*43	*12	f	D	D	D	D	D	D	D	D
33271	Machine shops	*5	*33	*4	e	D	D	D	D	D	D	D	D
332710	Machine shops	*5	*33	*4	e	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	—	10	8	e	D	D	D	D	D	D	D	D
332721	Precision turned product manufacturing	—	8	6	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	1	16	9	e	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	1	16	9	e	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, and coloring	—	5	3	e	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)				
	LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing	—	10	5	e	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	56	25	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	4	4	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	4	4	g	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	32	11	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	32	11	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	5	21	6	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	—	9	3	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	22	13	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	—	5	5	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	—	5	5	h	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	4	4	h	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	7	4	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	6	1	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	6	1	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	3	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.													
335	Electrical equipment, appliance, and component manufacturing	—	18	12	h	D	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	9	4	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	9	4	g	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	1	5	5	g	D	D	D	D	D	D	D	D
33591	Battery manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	'36	'25	j	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
3363	Motor vehicle parts manufacturing	—	'28	'23	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	2	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	5	2	2	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	'3	'3	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	'3	'3	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	7	6	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	7	6	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	6	6	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	1	6	6	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	38	7	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	30	3	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	1	20	1	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing	1	20	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	64	10	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	1	31	1	289	9 121	240	462	6 473	25 505	29 852	55 286	524
33911	Medical equipment and supplies manufacturing	1	31	1	289	9 121	240	462	6 473	25 505	29 852	55 286	524

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)					
LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.														
339	Miscellaneous manufacturing—Con.													
3399	Other miscellaneous manufacturing	—	33	9	g	D	D	D	D	D	D	D	D	
33994	Office supplies (except paper) manufacturing	—	2	1	e	D	D	D	D	D	D	D	D	
339944	Carbon paper and inked ribbon manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	
33999	All other miscellaneous manufacturing	—	17	7	g	D	D	D	D	D	D	D	D	
339999	All other miscellaneous manufacturing	1	12	5	f	D	D	D	D	D	D	D	D	
Frankfort, KY Micropolitan Statistical Area														
31-33	Manufacturing	1	68	25		4 172	153 644	3 178	6 299	101 578	459 243	530 863	1 014 498	29 346
312	Beverage and tobacco product manufacturing	2	7	6		711	27 093	478	905	15 389	129 647	98 119	242 849	5 703
3121	Beverage manufacturing	2	7	6		711	27 093	478	905	15 389	129 647	98 119	242 849	5 703
31214	Distilleries	2	6	5	f	D	D	D	D	D	D	D	D	D
312140	Distilleries	2	6	5	f	D	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	2	1	f	D	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	1	1	f	D	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	D
332	Fabricated metal product manufacturing	—	18	7		828	25 062	643	1 219	17 423	65 896	81 777	147 869	6 310
3323	Architectural and structural metals manufacturing	—	8	3		254	7 455	215	418	5 661	28 839	36 237	65 434	1 268
3325	Hardware manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	1	1	e	D	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	D
3359	Other electrical equipment and component manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing .	—	1	1	e	D	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing .	—	1	1	e	D	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	2	7	4		1 022	38 938	772	1 578	25 971	74 285	109 911	185 012	4 871
3363	Motor vehicle parts manufacturing	2	6	4	g	D	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	9	1	1	e	D	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	9	1	1	e	D	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	—	2	2	e	D	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping ..	—	2	2	e	D	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D	D
Lexington-Fayette, KY Metropolitan Statistical Area														
31-33	Manufacturing	—	462	179		34 683	1 660 032	24 835	49 173	1 068 267	6 935 413	10 791 511	17 752 515	320 718
311	Food manufacturing	—	23	7		729	22 936	549	1 057	15 793	255 935	322 095	577 951	8 808
312	Beverage and tobacco product manufacturing	1	7	6		570	19 681	173	356	4 042	51 688	109 581	161 047	3 795
3121	Beverage manufacturing	2	5	4	e	D	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	1	3	3	e	D	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	1	2	2	e	D	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	14	5	e	D	D	D	D	D	D	D	D	1 410
3212	Veneer, plywood, and engineered wood product manufacturing	—	3	3	e	D	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	3	3	e	D	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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)				
	LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.												
	Lexington-Fayette, KY Metropolitan Statistical Area—Con.												
322	Paper manufacturing	—	9	8	1 123	40 078	918	1 879	28 807	207 956	143 550	330 423	4 141
3222	Converted paper product manufacturing	—	9	8	1 123	40 078	918	1 879	28 807	207 956	143 550	330 423	4 141
32221	Paperboard container manufacturing	—	8	7	f	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing ...	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	—	71	19	2 179	78 754	1 620	3 107	52 360	172 223	77 705	245 547	8 994
3231	Printing and related support activities	—	71	19	2 179	78 754	1 620	3 107	52 360	172 223	77 705	245 547	8 994
32311	Printing	—	64	18	2 062	73 992	1 540	2 949	49 199	160 251	76 529	232 199	D
323110	Commercial lithographic printing	—	31	7	383	12 181	254	469	7 687	24 064	16 824	40 779	1 200
323113	Commercial screen printing ..	—	5	4	308	9 864	208	474	6 053	23 787	4 529	28 191	D
323117	Books printing	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	4	15	7	572	23 051	312	595	10 131	72 719	40 453	112 832	1 390
3254	Pharmaceutical and medicine manufacturing	—	4	2	e	D	D	D	D	D	D	D	222
32541	Pharmaceutical and medicine manufacturing	—	4	2	e	D	D	D	D	D	D	D	222
325412	Pharmaceutical preparation manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	19	14	1 333	42 492	1 061	2 191	26 342	163 365	167 352	332 485	32 951
3261	Plastics product manufacturing ..	1	14	13	1 262	40 262	1 003	2 079	24 786	158 727	162 691	323 157	32 767
32619	Other plastics product manufacturing	2	10	9	958	28 550	753	1 545	16 926	103 676	108 255	214 681	D
326199	All other plastics product manufacturing	2	9	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	26	13	1 800	66 524	1 457	3 060	45 294	161 509	111 620	272 109	17 021
3272	Glass and glass product manufacturing	—	4	3	922	39 907	752	1 650	27 587	107 157	82 280	189 455	13 424
32721	Glass and glass product manufacturing	—	4	3	922	39 907	752	1 650	27 587	107 157	82 280	189 455	13 424
327212	Other pressed and blown glass and glassware manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	2	1	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	—	14	8	646	20 115	540	1 080	14 471	42 854	23 051	64 782	3 119
32739	Other concrete product manufacturing	—	6	4	488	14 940	418	853	11 107	28 023	10 015	36 868	1 111
327390	Other concrete product manufacturing	—	6	4	488	14 940	418	853	11 107	28 023	10 015	36 868	1 111
332	Fabricated metal product manufacturing	1	84	38	3 481	120 415	2 589	5 058	76 109	367 138	341 795	707 520	18 636
3321	Forging and stamping.....	—	5	3	421	16 534	292	634	10 763	75 565	102 470	177 118	8 720
33211	Forging and stamping.....	—	5	3	421	16 534	292	634	10 763	75 565	102 470	177 118	8 720
332111	Iron and steel forging	—	4	2	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	4	25	11	707	24 330	550	1 097	17 367	58 934	53 169	111 015	1 720
33232	Ornamental and architectural metal products manufacturing	5	17	7	519	18 095	418	818	13 431	46 486	25 731	71 060	1 415
332322	Sheet metal work manufacturing	5	11	7	482	17 018	392	774	12 784	44 889	24 168	67 909	1 344
3325	Hardware manufacturing	—	3	3	475	14 123	338	676	7 281	60 552	58 372	119 241	D
33251	Hardware manufacturing	—	3	3	475	14 123	338	676	7 281	60 552	58 372	119 241	D
332510	Hardware manufacturing	—	3	3	475	14 123	338	676	7 281	60 552	58 372	119 241	D
3326	Spring and wire product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
332612	Spring (light gauge) 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	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)				
LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.													
Lexington-Fayette, KY Metropolitan Statistical Area—Con.													
332	Fabricated metal product manufacturing—Con.												
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	'28	'8	'505	'16 384	'365	'702	'9 814	'57 010	'33 463	'88 801	'3 064
33272	Turned product and screw, nut, and bolt manufacturing	—	6	5	272	8 347	195	382	4 871	35 085	25 516	59 559	1 833
3328	Coating, engraving, heat treating, and allied activities	2	10	6	e	D	D	D	D	D	D	D	571
33281	Coating, engraving, heat treating, and allied activities ..	2	10	6	e	D	D	D	D	D	D	D	571
3329	Other fabricated metal product manufacturing	1	9	4	409	19 058	228	433	7 584	43 147	34 582	78 522	645
33291	Metal valve manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	33	13	3 115	124 488	2 292	4 337	80 725	359 227	308 643	673 356	9 146
3331	Agriculture, construction, and mining machinery manufacturing	—	5	4	914	39 796	618	1 019	22 971	82 323	134 190	221 096	2 943
33312	Construction machinery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	3	3	1 860	69 568	1 451	2 821	48 543	236 192	127 653	365 120	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	3	3	1 860	69 568	1 451	2 821	48 543	236 192	127 653	365 120	D
333412	Industrial and commercial fan and blower 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	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	16	10	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	—	4	4	h	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	—	3	3	h	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	13	8	h	D	D	D	D	D	D	D	41 743
3351	Electric lighting equipment manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	8	3	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	8	3	g	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ...	—	3	1	f	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 ...	—	1	1	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	—	1	1	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.													
Lexington-Fayette, KY Metropolitan Statistical Area—Con.													
336	Transportation equipment manufacturing	—	'20	'15	j	D	D	D	D	D	D	D	'114 667
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
3363	Motor vehicle parts manufacturing	—	'16	'14	'2 579	'93 353	'2 012	'4 072	'59 504	'228 395	'697 264	'933 128	D
33633	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	3	3	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	3	3	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	4	4	998	39 021	736	1 458	22 872	136 890	137 088	272 919	18 094
336399	All other motor vehicle parts manufacturing	1	4	4	998	39 021	736	1 458	22 872	136 890	137 088	272 919	18 094
337	Furniture and related product manufacturing	3	27	5	e	D	D	D	D	D	D	D	2 968
339	Miscellaneous manufacturing	1	53	6	1 027	31 397	803	1 559	20 073	83 490	68 382	150 549	2 250
3391	Medical equipment and supplies manufacturing	1	28	1	281	8 866	232	448	6 258	25 088	29 785	54 798	509
33911	Medical equipment and supplies manufacturing	1	28	1	281	8 866	232	448	6 258	25 088	29 785	54 798	509
3399	Other miscellaneous manufacturing	1	25	5	746	22 531	571	1 111	13 815	58 402	38 597	95 751	1 741
33994	Office supplies (except paper) manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
339944	Carbon paper and inked ribbon manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	12	3	400	14 543	249	469	7 106	45 834	17 627	62 217	1 607
Mount Sterling, KY Micropolitan Statistical Area													
31-33	Manufacturing	1	59	24	3 691	90 249	2 926	5 498	59 189	300 104	317 485	611 061	13 008
311	Food manufacturing	2	4	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
315	Apparel manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	5	5	1 060	29 733	829	1 252	15 227	78 042	48 640	125 647	2 489
3261	Plastics product manufacturing	—	4	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	—	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.												
	Mount Sterling, KY Micropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing—Con.												
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
337	Furniture and related product manufacturing . . .	—	3	2	e	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing . . .	—	3	2	e	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing . . .	—	2	1	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing . .	—	2	1	e	D	D	D	D	D	D	D	D
	Richmond, KY Micropolitan Statistical Area												
31-33	Manufacturing	—	79	37	6 434	233 234	4 954	10 278	156 985	680 135	1 192 693	1 874 425	32 529
326	Plastics and rubber products manufacturing	4	4	3	660	19 567	569	1 107	15 020	47 131	34 043	85 630	2 209
3261	Plastics product manufacturing . .	5	3	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	6	4	540	18 191	443	835	13 487	67 094	45 161	113 066	2 943
3272	Glass and glass product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	16	7	348	8 679	295	637	6 489	21 574	7 106	28 517	1 325
333	Machinery manufacturing	—	15	8	1 051	42 250	807	1 822	29 599	52 876	237 745	291 554	7 316
3339	Other general purpose machinery manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing . .	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
33591	Battery manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing .	—	1	1	e	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing .	—	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	8	5	1 516	63 589	1 090	2 455	40 190	153 085	270 842	418 590	11 808
3363	Motor vehicle parts manufacturing	—	6	5	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
33637	Motor vehicle metal stamping . .	—	2	1	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	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)				
LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA—Con.													
Richmond, KY Micropolitan Statistical Area—Con.													
339	Miscellaneous manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
339999	All other miscellaneous manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA													
31-33	Manufacturing	—	1 601	639	90 723	3 669 386	69 348	140 349	2 540 743	10 096 183	20 704 233	130 764 142	697 561
311	Food manufacturing	3	103	41	i	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	3	13	9	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
311412	Frozen specialty food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
31142	Fruit and vegetable canning, pickling, and drying	4	10	6	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .	—	8	4	f	D	D	D	D	D	D	D	D
311422	Specialty canning	9	1	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	16	5	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	16	5	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	—	13	3	g	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	8	41	10	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	1	35	5	e	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	9	6	5	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	9	3	3	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	20	12	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	—	5	4	870	24 692	689	1 156	16 839	133 773	98 810	233 415	D
311919	Other snack food manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	1	16	12	g	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	1	15	11	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	—	4	4	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
31214	Distilleries	1	8	7	1 174	53 339	800	1 659	30 560	409 805	337 606	739 694	18 087
312140	Distilleries	1	8	7	1 174	53 339	800	1 659	30 560	409 805	337 606	739 694	18 087
314	Textile product mills	—	23	7	g	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	—	12	5	f	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	—	12	5	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	3	3	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	1	11	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	4	24	5	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	5	16	4	f	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	9	12	3	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
321	Wood product manufacturing	1	105	45	h	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	1	26	17	g	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	1	26	17	g	D	D	D	D	D	D	D	D
321211	Hardwood veneer and plywood manufacturing	—	14	11	783	22 724	634	1 281	15 847	48 743	32 508	82 931	D
321214	Truss manufacturing	3	8	4	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	2	61	26	g	D	D	D	D	D	D	D	D
32191	Millwork	3	19	8	e	D	D	D	D	D	D	D	1 129
32192	Wood container and pallet manufacturing	1	28	12	f	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing	1	28	12	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	2	14	6	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	43	34	3 979	146 544	2 909	6 337	90 973	505 640	571 284	1 079 884	18 970
3222	Converted paper product manufacturing	—	43	34	3 979	146 544	2 909	6 337	90 973	505 640	571 284	1 079 884	18 970
32221	Paperboard container manufacturing	—	19	18	1 787	67 896	1 340	2 825	42 144	176 780	222 425	388 882	7 222
322211	Corrugated and solid fiber box manufacturing	—	14	13	1 322	49 101	982	1 997	29 216	118 333	171 412	279 831	6 023
32222	Paper bag and coated and treated paper manufacturing	—	9	8	936	35 470	639	1 443	21 410	120 357	216 734	341 231	D
322225	Laminated aluminum foil manufacturing for flexible packaging uses	—	4	4	559	22 979	360	836	13 679	82 223	171 395	258 505	7 240
32223	Stationery product manufacturing	—	12	6	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	—	4	3	367	9 470	315	742	7 616	69 261	63 406	142 934	D
32229	Other converted paper product manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	187	49	i	D	D	D	D	D	D	D	D
3231	Printing and related support activities	1	187	49	i	D	D	D	D	D	D	D	D
32311	Printing	1	174	47	i	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	78	30	h	D	D	D	D	D	D	D	17 027
323112	Commercial flexographic printing	—	9	3	f	D	D	D	D	D	D	D	D
323113	Commercial screen printing	1	20	4	e	D	D	D	D	D	D	D	768
325	Chemical manufacturing	1	91	48	i	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	2	18	11	g	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	3	7	6	817	50 189	581	1 259	33 910	128 728	99 078	232 724	6 866
325188	All other basic inorganic chemical manufacturing	3	7	6	817	50 189	581	1 259	33 910	128 728	99 078	232 724	6 866
32519	Other basic organic chemical manufacturing	1	7	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	1	6	2	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	12	11	2 356	166 463	1 495	3 179	87 981	518 925	1 036 801	1 544 918	D
32521	Resin and synthetic rubber manufacturing	—	12	11	2 356	166 463	1 495	3 179	87 981	518 925	1 036 801	1 544 918	D
325211	Plastics material and resin manufacturing	—	9	8	g	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	3	23	13	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	—	18	11	f	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	—	18	11	f	D	D	D	D	D	D	D	D
32552	Adhesive manufacturing	8	5	2	e	D	D	D	D	D	D	D	D
325520	Adhesive manufacturing	8	5	2	e	D	D	D	D	D	D	D	D

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	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
325	Chemical manufacturing—Con.												
3256	Soap, cleaning compound, and toilet preparation manufacturing . . .	—	10	2	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	—	7	2	f	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
3259	Other chemical product and preparation manufacturing	—	22	9	f	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	71	45	6 093	185 508	4 685	9 500	127 636	466 217	442 324	912 280	D
3261	Plastics product manufacturing . . .	2	62	42	i	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and un laminated film and sheet manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
326113	Un laminated plastics film and sheet (except packaging) manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	—	7	6	f	D	D	D	D	D	D	D	D
326122	Plastics pipe and pipe fitting manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
32614	Polystyrene foam product manufacturing	6	4	3	f	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing	6	4	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	36	22	h	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	1	30	20	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	—	9	3	g	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing . .	—	2	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	—	3	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	80	33	h	D	D	D	D	D	D	D	D
3271	Clay product and refractory manufacturing	—	9	4	e	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	—	16	6	g	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	16	6	g	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass . .	—	12	6	g	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	—	45	20	g	D	D	D	D	D	D	D	D
32731	Cement manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327310	Cement manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	—	25	11	e	D	D	D	D	D	D	D	6 689
327320	Ready-mix concrete manufacturing	—	25	11	e	D	D	D	D	D	D	D	6 689
32739	Other concrete product manufacturing	2	13	6	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	2	13	6	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	26	15	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	8	8	1 041	35 907	842	1 644	22 881	90 588	197 341	286 215	11 998
33131	Alumina and aluminum production and processing . . .	—	8	8	1 041	35 907	842	1 644	22 881	90 588	197 341	286 215	11 998
331316	Aluminum extruded product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	5	3	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	—	4	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
332	Fabricated metal product manufacturing	1	'306	'116	'11 104	'386 292	'8 029	'15 759	'242 480	'1 040 997	'928 953	'1 960 412	D
3321	Forging and stamping.....	2	'18	'16	g	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	2	'18	'16	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
332114	Custom roll forming	2	5	4	e	D	D	D	D	D	D	D	D
332116	Metal stamping	'4	'9	'8	'828	'22 589	'677	'1 295	'16 822	'70 839	'93 525	'164 041	D
332117	Powder metallurgy part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	5	78	22	g	D	D	D	D	D	D	D	D
33231	Plate work and fabricated structural product manufacturing	5	38	12	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	6	27	9	501	18 618	360	713	11 007	38 398	43 104	81 500	D
33232	Ornamental and architectural metal products manufacturing	4	40	10	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	4	19	6	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	—	14	8	f	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	—	6	4	680	18 404	178	361	5 098	68 867	42 435	111 352	D
332420	Metal tank (heavy gauge) manufacturing	—	6	4	680	18 404	178	361	5 098	68 867	42 435	111 352	D
3325	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
33251	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
332510	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
3326	Spring and wire product manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	123	34	g	D	D	D	D	D	D	D	D
33271	Machine shops	3	115	29	g	D	D	D	D	D	D	D	D
332710	Machine shops	3	115	29	g	D	D	D	D	D	D	D	D
33272	Turned product and screw, nut, and bolt manufacturing	—	8	5	e	D	D	D	D	D	D	D	D
332721	Precision turned product manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	—	19	7	e	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	—	19	7	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	'34	'17	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	'33	'16	g	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	'22	'12	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	146	61	i	D	D	D	D	D	D	D	D
3331	Agriculture, construction, and mining machinery manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
33311	Agricultural implement manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	6	23	8	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	6	17	8	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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing	1	8	4	f	D	D	D	D	D	D	D	1 538
33331	Commercial and service industry machinery manufacturing	1	8	4	f	D	D	D	D	D	D	D	1 538
333319	Other commercial and service industry machinery manufacturing	2	6	3	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	17	12	1 295	39 204	955	1 767	22 051	121 680	95 259	216 990	4 253
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	17	12	1 295	39 204	955	1 767	22 051	121 680	95 259	216 990	4 253
333411	Air purification equipment manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	8	6	449	15 560	337	569	7 720	65 813	51 023	117 145	D
3335	Metalworking machinery manufacturing	—	33	6	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	—	33	6	f	D	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	—	16	2	e	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	3	55	25	g	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	3	24	14	f	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	4	16	10	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	28	10	g	D	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	3	13	4	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	28	11	1 337	55 509	737	1 486	22 569	170 814	111 301	279 368	17 404
3343	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	1	25	12	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	4	3	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	4	3	h	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	12	5	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	12	5	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	9	7	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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing	—	'62	'35	j	D	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	5	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	5	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	3	2	i	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
336212	Truck trailer manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	'42	'26	i	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	4	4	g	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	4	4	g	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	5	4	g	D	D	D	D	D	D	D	3 901
336360	Motor vehicle seating and interior trim manufacturing ..	—	5	4	g	D	D	D	D	D	D	D	3 901
33637	Motor vehicle metal stamping ..	—	'5	'5	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping ..	—	'5	'5	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	15	10	h	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	15	10	h	D	D	D	D	D	D	D	D
3366	Ship and boat building	—	5	3	f	D	D	D	D	D	D	D	D
33661	Ship and boat building	—	5	3	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	—	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	—	113	35	h	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	—	80	18	g	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	1	54	12	g	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	1	54	12	g	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	—	26	6	g	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	—	16	4	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	—	24	13	g	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	—	24	13	g	D	D	D	D	D	D	D	D
337211	Wood office furniture manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	2	9	5	503	15 511	417	903	10 993	32 833	21 317	53 991	D
3379	Other furniture related product manufacturing	2	9	4	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	131	32	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	3	45	11	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	3	45	11	f	D	D	D	D	D	D	D	D
339116	Dental laboratories	—	25	5	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	3	86	21	g	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing	4	10	4	e	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing	4	10	4	e	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	3	31	15	g	D	D	D	D	D	D	D	12 972
339999	All other miscellaneous manufacturing	4	25	12	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.													
Elizabethtown, KY Metropolitan Statistical Area													
31-33	Manufacturing	2	106	40	7 444	262 648	5 839	12 628	176 981	877 845	1 041 742	1 908 238	132 996
315	Apparel manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	7	5	e	D	D	D	D	D	D	D	427
3219	Other wood product manufacturing	4	4	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	5	8	5	779	31 444	568	1 218	20 747	268 749	263 500	524 101	12 076
3251	Basic chemical manufacturing ...	—	2	1	e	D	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing ...	—	1	1	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	8	3	3	e	D	D	D	D	D	D	D	D
32552	Adhesive manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
325520	Adhesive manufacturing ...	9	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	7	3	852	28 249	671	1 442	20 041	122 762	72 044	195 400	3 644
3261	Plastics product manufacturing ..	—	6	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	8	4	721	27 719	591	1 338	20 715	98 543	94 522	190 531	D
3272	Glass and glass product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	23	6	656	24 381	437	881	14 262	43 895	61 903	103 710	3 696
333	Machinery manufacturing	—	7	3	e	D	D	D	D	D	D	D	1 356
335	Electrical equipment, appliance, and component manufacturing	9	3	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	4	3	g	D	D	D	D	D	D	D	76 582
3363	Motor vehicle parts manufacturing	—	3	3	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
33639	Other motor vehicle parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	—	8	2	e	D	D	D	D	D	D	D	1 160
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
337211	Wood office furniture 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area												
31-33	Manufacturing	—	1 459	581	80 838	3 328 995	61 472	123 611	2 306 389	8 794 261	19 326 664	28 096 883	535 350
311	Food manufacturing	3	96	39	6 999	222 855	5 420	11 266	158 134	1 048 957	1 180 011	2 223 040	63 893
3114	Fruit and vegetable preserving and specialty food manufacturing	—	12	8	1 620	58 077	1 175	2 467	39 052	230 856	294 469	526 531	15 955
31141	Frozen food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
311412	Frozen specialty food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
31142	Fruit and vegetable canning, pickling, and drying	—	9	5	816	30 410	588	1 343	21 578	130 170	230 229	360 409	6 813
311421	Fruit and vegetable canning ..	—	8	4	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	13	5	2 044	56 241	1 637	3 610	40 169	181 242	257 087	441 651	14 946
31161	Animal slaughtering and processing	—	13	5	2 044	56 241	1 637	3 610	40 169	181 242	257 087	441 651	14 946
311611	Animal (except poultry) slaughtering	—	10	3	e	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	8	39	10	1 659	56 930	1 311	2 719	43 674	380 312	299 203	667 275	7 627
31181	Bread and bakery product manufacturing	1	34	5	e	D	D	D	D	D	D	D	606
31182	Cookie, cracker, and pasta manufacturing	9	5	5	g	D	D	D	D	D	D	D	7 021
311821	Cookie and cracker manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	9	3	3	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	19	11	1 242	37 268	974	1 764	25 678	198 663	137 305	337 177	20 483
31191	Snack food manufacturing	—	5	4	870	24 692	689	1 156	16 839	133 773	98 810	233 415	D
311919	Other snack food manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	1	14	10	1 680	75 141	958	1 951	33 946	460 360	389 448	842 064	20 031
3121	Beverage manufacturing	1	13	9	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
31214	Distilleries	1	8	7	1 174	53 339	800	1 659	30 560	409 805	337 606	739 694	18 087
312140	Distilleries	1	8	7	1 174	53 339	800	1 659	30 560	409 805	337 606	739 694	18 087
314	Textile product mills	1	22	6	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	—	12	5	f	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	—	12	5	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	—	3	3	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	96	39	g	D	D	D	D	D	D	D	5 835
3212	Veneer, plywood, and engineered wood product manufacturing	—	25	16	g	D	D	D	D	D	D	D	1 544
32121	Veneer, plywood, and engineered wood product manufacturing	—	25	16	g	D	D	D	D	D	D	D	1 544
321211	Hardwood veneer and plywood manufacturing	—	14	11	783	22 724	634	1 281	15 847	48 743	32 508	82 931	D
3219	Other wood product manufacturing	2	56	23	g	D	D	D	D	D	D	D	4 100
32191	Millwork	3	19	8	e	D	D	D	D	D	D	D	1 129
32192	Wood container and pallet manufacturing	1	26	11	f	D	D	D	D	D	D	D	2 554
321920	Wood container and pallet manufacturing	1	26	11	f	D	D	D	D	D	D	D	2 554
322	Paper manufacturing	—	43	34	3 979	146 544	2 909	6 337	90 973	505 640	571 284	1 079 884	18 970

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area—Con.												
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing	—	43	34	3 979	146 544	2 909	6 337	90 973	505 640	571 284	1 079 884	18 970
32221	Paperboard container manufacturing	—	19	18	1 787	67 896	1 340	2 825	42 144	176 780	222 425	388 882	7 222
322211	Corrugated and solid fiber box manufacturing	—	14	13	1 322	49 101	982	1 997	29 216	118 333	171 412	279 831	6 023
32222	Paper bag and coated and treated paper manufacturing ..	—	9	8	936	35 470	639	1 443	21 410	120 357	216 734	341 231	D
322225	Laminated aluminum foil manufacturing for flexible packaging uses	—	4	4	559	22 979	360	836	13 679	82 223	171 395	258 505	7 240
32223	Stationery product manufacturing	—	12	6	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	—	4	3	367	9 470	315	742	7 616	69 261	63 406	142 934	D
32229	Other converted paper product manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	178	47	6 392	225 297	5 019	9 442	160 501	479 054	292 127	771 338	21 852
3231	Printing and related support activities	1	178	47	6 392	225 297	5 019	9 442	160 501	479 054	292 127	771 338	21 852
32311	Printing	1	165	45	6 216	215 500	4 873	9 243	152 592	459 041	288 535	747 781	21 016
323110	Commercial lithographic printing	1	75	30	4 480	161 415	3 611	6 883	116 883	324 738	234 250	557 952	17 003
323112	Commercial flexographic printing	—	7	2	714	23 806	524	966	16 796	54 742	13 998	68 689	D
323113	Commercial screen printing ..	1	19	4	259	7 563	196	347	4 679	13 121	11 976	25 264	768
325	Chemical manufacturing	—	81	43	5 446	325 864	3 483	7 132	183 269	1 035 979	1 711 282	2 728 597	81 418
3251	Basic chemical manufacturing ...	2	16	10	1 260	75 463	856	1 802	47 085	125 007	238 574	370 937	D
32518	Other basic inorganic chemical manufacturing	3	7	6	817	50 189	581	1 259	33 910	128 728	99 078	232 724	6 866
325188	All other basic inorganic chemical manufacturing	3	7	6	817	50 189	581	1 259	33 910	128 728	99 078	232 724	6 866
32519	Other basic organic chemical manufacturing	1	6	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	1	5	2	e	D	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	12	11	2 356	166 463	1 495	3 179	87 981	518 925	1 036 801	1 544 918	D
32521	Resin and synthetic rubber manufacturing	—	12	11	2 356	166 463	1 495	3 179	87 981	518 925	1 036 801	1 544 918	D
325211	Plastics material and resin manufacturing	—	9	8	g	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	20	10	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	—	17	10	618	24 610	329	603	11 087	233 152	184 654	417 962	1 307
325510	Paint and coating manufacturing	—	17	10	618	24 610	329	603	11 087	233 152	184 654	417 962	1 307
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	10	2	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	—	7	2	f	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
3259	Other chemical product and preparation manufacturing	1	18	8	f	D	D	D	D	D	D	D	D
32591	Printing ink manufacturing	1	8	4	330	13 185	174	306	6 235	63 368	74 309	129 425	1 474
325910	Printing ink manufacturing	1	8	4	330	13 185	174	306	6 235	63 368	74 309	129 425	1 474
326	Plastics and rubber products manufacturing	2	56	34	4 095	123 100	3 087	6 182	84 943	250 959	304 039	558 849	15 203

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing ..	2	49	33	4 042	121 635	3 039	6 110	83 706	247 596	299 096	550 756	15 075
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	6	4	474	16 953	366	752	11 412	54 631	37 050	90 678	2 845
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	—	5	5	357	10 409	283	567	6 488	28 502	13 967	41 734	2 514
32614	Polystyrene foam product manufacturing	8	3	2	f	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing	8	3	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	29	17	2 350	69 694	1 685	3 412	48 717	112 102	167 634	284 113	5 745
326199	All other plastics product manufacturing	2	23	15	2 153	64 677	1 520	3 118	45 156	101 769	163 598	269 757	5 181
327	Nonmetallic mineral product manufacturing	—	70	29	2 115	76 063	1 623	3 164	53 480	219 909	181 933	399 997	17 700
3271	Clay product and refractory manufacturing	—	7	4	378	13 966	263	508	7 963	19 517	15 126	37 471	2 254
3272	Glass and glass product manufacturing	1	15	5	600	20 092	488	961	15 039	38 361	51 269	90 234	1 311
32721	Glass and glass product manufacturing	1	15	5	600	20 092	488	961	15 039	38 361	51 269	90 234	1 311
327215	Glass product manufacturing made of purchased glass ..	1	11	5	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	—	39	17	1 007	37 954	780	1 517	27 894	153 873	107 692	256 455	D
32731	Cement manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327310	Cement manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	—	24	11	482	15 997	395	712	13 061	54 005	43 001	97 001	6 689
327320	Ready-mix concrete manufacturing	—	24	11	482	15 997	395	712	13 061	54 005	43 001	97 001	6 689
331	Primary metal manufacturing	—	24	14	1 565	55 995	1 250	2 574	37 631	173 526	380 875	552 980	18 003
3313	Alumina and aluminum production and processing	—	8	8	1 041	35 907	842	1 644	22 881	90 588	197 341	286 215	11 998
33131	Alumina and aluminum production and processing ..	—	8	8	1 041	35 907	842	1 644	22 881	90 588	197 341	286 215	11 998
331316	Aluminum extruded product manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	4	3	e	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	—	4	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	273	108	10 354	358 956	7 526	14 799	226 391	991 250	863 460	1 847 026	43 104
3321	Forging and stamping	2	17	15	2 202	75 032	1 725	3 245	50 817	198 731	179 953	371 180	12 665
33211	Forging and stamping	2	17	15	2 202	75 032	1 725	3 245	50 817	198 731	179 953	371 180	12 665
332111	Iron and steel forging	—	2	2	e	D	D	D	D	D	D	D	D
332114	Custom roll forming	3	4	3	350	13 652	236	459	7 157	31 649	33 619	64 499	1 771
332116	Metal stamping	4	9	8	828	22 589	677	1 295	16 822	70 839	93 525	164 041	D
332117	Powder metallurgy part manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	4	70	21	1 286	44 684	962	1 863	27 390	96 410	81 755	177 802	5 698
33231	Plate work and fabricated structural product manufacturing	4	32	11	640	23 370	472	956	13 891	47 328	44 636	91 850	4 031
332312	Fabricated structural metal manufacturing	5	22	8	446	16 719	320	626	9 885	34 384	37 857	72 202	1 701
33232	Ornamental and architectural metal products manufacturing	4	38	10	646	21 314	490	907	13 499	49 082	37 119	85 952	1 667
332322	Sheet metal work manufacturing	4	17	6	370	13 122	281	523	8 445	25 937	22 560	48 955	923

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3324	Boiler, tank, and shipping container manufacturing	—	12	7	875	24 628	342	711	9 747	77 500	56 834	134 436	1 622
33242	Metal tank (heavy gauge) manufacturing	—	6	4	680	18 404	178	361	5 098	68 867	42 435	111 352	D
332420	Metal tank (heavy gauge) manufacturing	—	6	4	680	18 404	178	361	5 098	68 867	42 435	111 352	D
3325	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
33251	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
332510	Hardware manufacturing	—	'5	'5	'913	'26 485	'776	'1 690	'21 476	'70 254	'75 370	'144 640	'2 809
3326	Spring and wire product manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	108	32	2 087	72 204	1 472	2 854	44 045	145 039	68 863	214 591	7 794
33271	Machine shops	3	101	28	1 825	63 126	1 279	2 471	37 766	126 460	55 967	183 192	5 131
332710	Machine shops	3	101	28	1 825	63 126	1 279	2 471	37 766	126 460	55 967	183 192	5 131
33272	Turned product and screw, nut, and bolt manufacturing	—	7	4	262	9 078	193	383	6 279	18 579	12 896	31 399	2 663
3328	Coating, engraving, heat treating, and allied activities	1	17	6	388	15 919	293	622	9 458	41 846	12 264	53 919	561
33281	Coating, engraving, heat treating, and allied activities ..	1	17	6	388	15 919	293	622	9 458	41 846	12 264	53 919	561
3329	Other fabricated metal product manufacturing	—	'32	'16	g	D	D	D	D	D	D	D	'10 014
33299	All other fabricated metal product manufacturing	—	'31	'15	g	D	D	D	D	D	D	D	D
332995	Other ordnance and accessories manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	'21	'11	'1 258	'49 777	'941	'1 911	'34 368	'225 760	'310 766	'545 863	'9 017
333	Machinery manufacturing	2	137	58	6 028	225 903	3 779	7 231	108 465	515 636	447 554	979 677	21 761
3331	Agriculture, construction, and mining machinery manufacturing	—	8	4	710	19 819	525	942	14 391	36 721	66 369	113 518	2 925
33311	Agricultural implement manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	6	23	8	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	6	17	8	e	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	1	7	4	747	22 034	454	899	12 298	37 490	34 950	69 966	1 538
33331	Commercial and service industry machinery manufacturing	1	7	4	747	22 034	454	899	12 298	37 490	34 950	69 966	1 538
333319	Other commercial and service industry machinery manufacturing	2	5	3	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	17	12	1 295	39 204	955	1 767	22 051	121 680	95 259	216 990	4 253
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	17	12	1 295	39 204	955	1 767	22 051	121 680	95 259	216 990	4 253
333411	Air purification equipment manufacturing	—	8	5	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	8	6	449	15 560	337	569	7 720	65 813	51 023	117 145	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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	—	30	6	661	20 548	449	952	12 101	74 441	37 707	115 902	4 874
33351	Metalworking machinery manufacturing	—	30	6	661	20 548	449	952	12 101	74 441	37 707	115 902	4 874
333511	Industrial mold manufacturing	—	14	2	457	12 245	308	642	6 866	60 435	28 364	93 975	4 302
3339	Other general purpose machinery manufacturing	3	51	23	2 096	102 118	1 085	2 041	37 226	205 457	183 146	394 032	7 078
33392	Material handling equipment manufacturing	3	22	12	f	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	5	14	8	510	29 042	250	413	7 656	57 012	44 933	100 882	D
33399	All other general purpose machinery manufacturing	1	26	10	1 082	52 678	534	1 060	20 203	81 215	86 764	175 848	4 033
333993	Packaging machinery manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	3	12	4	416	20 029	190	361	6 866	27 781	37 579	69 368	1 053
334	Computer and electronic product manufacturing	—	28	11	1 337	55 509	737	1 486	22 569	170 814	111 301	279 368	17 404
3343	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	22	10	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	4	3	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	4	3	h	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	56	30	17 409	990 450	15 209	31 052	845 347	2 007 376	11 836 990	13 804 303	119 188
3361	Motor vehicle manufacturing	—	5	2	i	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	5	2	i	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	3	2	i	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	—	5	3	420	12 431	357	668	8 697	20 096	37 373	58 538	D
33621	Motor vehicle body and trailer manufacturing	—	5	3	420	12 431	357	668	8 697	20 096	37 373	58 538	D
336212	Truck trailer manufacturing ..	—	2	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	37	21	i	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	5	4	g	D	D	D	D	D	D	D	3 901
336360	Motor vehicle seating and interior trim manufacturing ..	—	5	4	g	D	D	D	D	D	D	D	3 901
33637	Motor vehicle metal stamping ..	—	4	4	1 943	85 549	1 714	3 673	70 984	278 830	331 330	611 508	17 362
336370	Motor vehicle metal stamping	—	4	4	1 943	85 549	1 714	3 673	70 984	278 830	331 330	611 508	17 362

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.												
	Louisville, KY-IN Metropolitan Statistical Area—Con.												
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33639	Other motor vehicle parts manufacturing	-	13	8	2 100	76 346	1 634	3 408	53 420	204 395	433 263	633 843	34 512
336399	All other motor vehicle parts manufacturing	-	13	8	2 100	76 346	1 634	3 408	53 420	204 395	433 263	633 843	34 512
3366	Ship and boat building	-	5	3	f	D	D	D	D	D	D	D	D
33661	Ship and boat building	-	5	3	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	-	3	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	-	104	32	4 198	133 350	3 398	7 135	95 683	282 371	229 493	511 512	7 349
3371	Household and institutional furniture and kitchen cabinet manufacturing	-	73	16	2 064	64 388	1 656	3 278	46 009	145 145	128 297	274 033	4 327
33711	Wood kitchen cabinet and countertop manufacturing	1	49	11	1 084	35 410	863	1 768	26 124	79 751	79 951	159 905	2 365
337110	Wood kitchen cabinet and countertop manufacturing ..	1	49	11	1 084	35 410	863	1 768	26 124	79 751	79 951	159 905	2 365
33712	Household and institutional furniture manufacturing	-	24	5	980	28 978	793	1 510	19 885	65 394	48 346	114 128	1 962
337122	Nonupholstered wood household furniture manufacturing	-	14	3	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	-	23	12	1 877	59 975	1 549	3 425	44 011	113 975	80 340	193 478	2 887
33721	Office furniture (including fixtures) manufacturing	-	23	12	1 877	59 975	1 549	3 425	44 011	113 975	80 340	193 478	2 887
337211	Wood office furniture manufacturing	-	7	5	1 230	39 871	1 014	2 314	30 277	70 817	51 208	121 019	D
337215	Showcase, partition, shelving, and locker manufacturing	2	9	5	503	15 511	417	903	10 993	32 833	21 317	53 991	D
3379	Other furniture related product manufacturing	2	8	4	257	8 987	193	432	5 663	23 251	20 856	44 001	135
339	Miscellaneous manufacturing	3	120	31	2 307	81 623	1 551	2 867	42 797	158 746	88 522	245 721	20 342
3391	Medical equipment and supplies manufacturing	3	40	11	765	28 735	520	918	16 462	66 628	25 629	92 800	2 189
33911	Medical equipment and supplies manufacturing	3	40	11	765	28 735	520	918	16 462	66 628	25 629	92 800	2 189
339116	Dental laboratories	-	23	5	258	7 348	209	359	5 564	15 523	3 517	19 044	631
3399	Other miscellaneous manufacturing	4	80	20	1 542	52 888	1 031	1 949	26 335	92 118	62 893	152 921	18 153
33992	Sporting and athletic goods manufacturing	4	9	4	311	13 984	117	234	2 918	19 137	11 276	30 468	D
339920	Sporting and athletic goods manufacturing	4	9	4	311	13 984	117	234	2 918	19 137	11 276	30 468	D
33999	All other miscellaneous manufacturing	4	30	14	974	31 213	741	1 403	19 154	59 451	40 541	98 090	12 972
339999	All other miscellaneous manufacturing	5	24	11	723	20 241	552	1 037	11 924	40 902	31 831	71 031	D
	Scottsburg, IN Micropolitan Statistical Area												
31-33	Manufacturing	3	36	18	2 441	77 743	2 037	4 110	57 373	1424 077	335 827	759 021	29 215
311	Food manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	9	1	1	e	D	D	D	D	D	D	D	D
311422	Specialty canning	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)				
LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA—Con.													
Scottsburg, IN Micropolitan Statistical Area—Con.													
326	Plastics and rubber products manufacturing	—	8	8	1 146	34 159	927	1 876	22 652	92 496	66 241	158 031	D
3261	Plastics product manufacturing ..	—	7	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	1	4	4	563	18 414	403	789	9 773	37 701	37 994	76 102	8 232
326199	All other plastics product manufacturing	1	4	4	563	18 414	403	789	9 773	37 701	37 994	76 102	8 232
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
326291	Rubber product manufacturing for mechanical use	—	1	1	e	D	D	D	D	D	D	D	D
PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA													
31-33	Manufacturing	1	137	47	7 008	304 052	4 803	10 159	187 399	898 770	1 000 119	1 940 496	62 129
311	Food manufacturing	1	14	6	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	3	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	3	2	f	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	—	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	—	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	4	3	1 892	118 070	990	1 978	58 835	367 918	433 201	799 690	D
3251	Basic chemical manufacturing ...	—	3	2	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	7	2	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	—	1	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	8	16	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	4	30	13	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	16	5	e	D	D	D	D	D	D	D	D
Mayfield, KY Micropolitan Statistical Area													
31-33	Manufacturing	1	54	15	2 833	90 268	2 188	4 847	69 383	256 844	293 430	566 232	23 937
311	Food manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	2	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	4	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	—	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	—	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA—Con.													
Paducah, KY-IL Micropolitan Statistical Area													
31-33	Manufacturing	1	83	32	4 175	213 784	2 615	5 312	118 016	641 926	706 689	1 374 264	38 192
311	Food manufacturing	2	10	4	342	11 618	221	499	5 701	33 191	25 137	58 370	4 389
322	Paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	4	3	1 892	118 070	990	1 978	58 835	367 918	433 201	799 690	D
3251	Basic chemical manufacturing ...	-	3	2	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	19	9	468	15 946	374	728	10 117	28 726	25 133	55 873	717
BOWLING GREEN, KY METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	110	48	8 460	316 633	6 485	13 031	210 973	1 820 975	1 607 372	3 421 016	107 453
311	Food manufacturing	-	8	4	740	28 153	567	919	16 685	225 646	112 546	338 618	D
3118	Bakeries and tortilla manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	5	5	742	28 400	603	1 267	19 913	182 048	172 697	350 223	12 233
3222	Converted paper product manufacturing	-	5	5	742	28 400	603	1 267	19 913	182 048	172 697	350 223	12 233
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	-	3	3	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	9	13	2	252	8 905	194	410	5 831	17 218	17 395	34 635	898
3231	Printing and related support activities	9	13	2	252	8 905	194	410	5 831	17 218	17 395	34 635	898
32311	Printing	9	12	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	9	5	691	25 214	521	1 121	15 088	73 855	55 975	128 036	7 869
3261	Plastics product manufacturing ..	-	7	3	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	6	2	282	8 928	240	491	6 560	31 552	19 737	50 112	D
326199	All other plastics product manufacturing	-	6	2	282	8 928	240	491	6 560	31 552	19 737	50 112	D
3262	Rubber product manufacturing ...	-	2	2	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	1	1	e	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	13	5	622	20 147	523	946	14 884	74 284	62 969	131 464	3 746
3326	Spring and wire product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
332611	Spring (heavy gauge) 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)				
BOWLING GREEN, KY METROPOLITAN STATISTICAL AREA—Con.													
333	Machinery manufacturing	-	8	4	1 049	32 463	678	1 284	14 039	119 406	116 320	238 251	5 598
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	11	9	2 053	104 941	1 646	3 277	82 662	934 830	783 167	1 724 649	23 653
3361	Motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	8	7	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	7	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	5	1	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
CAMPBELLVILLE, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	43	11	1 862	47 855	1 552	2 684	31 081	109 353	131 394	240 799	5 007
321	Wood product manufacturing	-	10	1	714	17 808	606	942	11 915	42 056	27 246	68 942	1 423
3219	Other wood product manufacturing	-	7	1	f	D	D	D	D	D	D	D	D
32191	Millwork	-	7	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	-	6	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
CENTRAL CITY, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	32	12	1 104	27 212	977	1 789	21 497	90 992	61 925	153 823	D
315	Apparel manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	-	2	2	e	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors	-	1	1	e	D	D	D	D	D	D	D	D
CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	1	178	70	13 651	446 961	10 911	22 425	318 882	1 575 997	1 491 754	3 055 381	124 599
311	Food manufacturing	-	10	3	275	9 112	190	384	5 378	61 817	81 296	142 972	1 565
314	Textile product mills	-	2	1	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	-	2	1	e	D	D	D	D	D	D	D	D
31499	All other textile product mills	-	2	1	e	D	D	D	D	D	D	D	D
314992	Tire cord and tire fabric 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)				
CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA—Con.													
315	Apparel manufacturing	-	4	4	1 228	22 336	1 179	2 282	20 650	74 394	72 435	147 613	D
3152	Cut and sew apparel manufacturing	-	4	4	1 228	22 336	1 179	2 282	20 650	74 394	72 435	147 613	D
31522	Men's and boys' cut and sew apparel manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	-	17	4	e	D	D	D	D	D	D	D	D
3211	Sawmills and wood preservation	-	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
32111	Sawmills and wood preservation	-	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
321113	Sawmills	-	13	4	295	9 305	265	533	8 180	16 105	31 207	49 485	1 060
322	Paper manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
3222	Converted paper product manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
32221	Paperboard container manufacturing	2	3	3	566	13 773	514	1 044	11 580	41 286	48 349	90 015	D
322215	Nonfolding sanitary food container manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
3231	Printing and related support activities	-	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
32311	Printing	-	19	4	1 846	58 950	1 562	3 458	45 421	167 140	68 650	234 067	16 445
323110	Commercial lithographic printing	-	5	1	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	-	2	1	e	D	D	D	D	D	D	D	D
323117	Books printing	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	4	7	4	e	D	D	D	D	D	D	D	1 017
327	Nonmetallic mineral product manufacturing	-	12	6	538	22 000	381	831	13 933	71 952	55 718	128 038	3 709
331	Primary metal manufacturing	-	'5	'3	'353	'15 642	'266	'500	'10 443	'50 354	'43 564	'94 810	'1 778
332	Fabricated metal product manufacturing	'1	'31	'12	'1 177	'38 235	'913	'1 896	'25 770	'116 661	'95 551	'212 956	'8 099
3326	Spring and wire product manufacturing	'1	'7	'5	'588	'18 096	'509	'1 028	'13 273	'51 331	'47 100	'98 153	'2 442
33261	Spring and wire product manufacturing	'1	'7	'5	'588	'18 096	'509	'1 028	'13 273	'51 331	'47 100	'98 153	'2 442
332611	Spring (heavy gauge) manufacturing	-	'1	'1	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	-	11	3	370	11 959	268	589	8 253	39 497	32 065	72 187	D
33272	Turned product and screw, nut, and bolt manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	10	2	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	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	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	5	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, 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.

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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)				
CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA—Con.													
336	Transportation equipment manufacturing	2	14	12	3 559	125 240	2 708	5 874	83 862	328 274	578 249	898 210	73 445
3362	Motor vehicle body and trailer manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	3	11	9	2 649	85 482	2 083	4 418	63 790	283 099	396 367	678 064	D
33634	Motor vehicle brake system manufacturing	9	2	2	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	9	2	2	e	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	—	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
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
339	Miscellaneous manufacturing	—	13	3	386	11 689	303	566	8 165	32 975	22 555	55 196	1 106
3399	Other miscellaneous manufacturing	—	8	3	371	11 224	291	543	7 831	31 922	22 255	53 843	1 067
DANVILLE, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	44	25	6 279	200 265	4 970	8 821	132 884	558 356	581 818	1 114 971	38 948
316	Leather and allied product manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
3162	Footwear manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
31621	Footwear manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
316213	Men's footwear (except athletic) manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	—	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	—	2	1	f	D	D	D	D	D	D	D	D
32311	Printing	—	2	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
331	Primary metal manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	1	1	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	1	1	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	9	7	762	26 752	546	1 151	19 332	85 583	70 114	150 268	2 244
3339	Other general purpose machinery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	—	2	2	g	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
33634	Motor vehicle brake system manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	1	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
DANVILLE, KY MICROPOLITAN STATISTICAL AREA—Con.													
339	Miscellaneous manufacturing	—	4	3	449	16 452	276	655	6 526	30 754	44 130	74 507	D
3399	Other miscellaneous manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
EVANSVILLE, IN-KY METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	'512	'195	'35 118	'1 524 287	'27 163	'54 539	'1 083 194	'5 729 918	'8 402 380	'14 015 025	'1 136 288
311	Food manufacturing	—	'36	'18	'3 620	'113 367	'2 697	'5 519	'82 521	'917 309	'548 070	'1 497 739	'101 417
3112	Grain and oilseed milling	—	5	4	e	D	D	D	D	D	D	D	4 469
31121	Flour milling and malt manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
311211	Flour milling	—	4	3	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	—	2	1	e	D	D	D	D	D	D	D	D
311423	Dried and dehydrated food manufacturing	—	1	1	e	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	—	3	3	f	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	—	7	3	1 331	34 267	1 201	2 453	29 358	145 550	19 978	167 673	D
31161	Animal slaughtering and processing	—	7	3	1 331	34 267	1 201	2 453	29 358	145 550	19 978	167 673	D
311615	Poultry processing	—	1	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	—	8	2	589	12 677	242	457	7 341	41 366	25 609	66 662	D
31181	Bread and bakery product manufacturing	—	7	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	1	1	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	'3	'2	e	D	D	D	D	D	D	D	D
31199	All other food manufacturing	—	'3	'2	e	D	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
313	Textile mills	9	4	1	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	9	2	1	e	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	9	2	1	e	D	D	D	D	D	D	D	D
313312	Textile and fabric finishing (except broadwoven fabric) mills	9	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	2	5	2	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	2	2	2	e	D	D	D	D	D	D	D	D
31491	Textile bag and canvas mills	2	2	2	e	D	D	D	D	D	D	D	D
314912	Canvas and related product mills	2	2	2	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	—	5	2	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
315225	Men's and boys' cut and sew work clothing manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	19	6	463	12 758	401	842	9 905	18 361	30 846	46 806	D
322	Paper manufacturing	—	9	5	729	33 790	484	994	21 334	85 683	90 465	175 776	D
3222	Converted paper product manufacturing	—	8	4	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	—	4	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
EVANSVILLE, IN-KY METROPOLITAN STATISTICAL AREA—Con.													
323	Printing and related support activities	3	38	6	465	15 880	340	653	10 062	29 298	16 072	45 189	D
3231	Printing and related support activities	3	38	6	465	15 880	340	653	10 062	29 298	16 072	45 189	D
32311	Printing	3	37	6	e	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	3	21	5	352	12 313	259	515	7 855	22 240	12 327	34 386	509
324	Petroleum and coal products manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	—	5	4	f	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	—	33	18	4 201	249 350	2 895	5 850	160 263	1 318 536	1 350 788	2 580 637	117 635
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	6	4	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	9	5	f	D	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
32552	Adhesive manufacturing	—	6	3	486	15 676	335	727	8 555	42 292	35 414	77 262	4 384
325520	Adhesive manufacturing	—	6	3	486	15 676	335	727	8 555	42 292	35 414	77 262	4 384
3259	Other chemical product and preparation manufacturing	1	11	6	f	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing	1	10	5	f	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	1	8	5	644	32 991	344	636	12 894	82 904	151 839	236 579	3 743
326	Plastics and rubber products manufacturing	—	46	29	4 433	156 327	3 671	7 906	108 177	399 689	225 991	615 796	47 193
3261	Plastics product manufacturing	—	41	27	4 126	147 893	3 390	7 320	101 218	383 969	213 391	587 545	46 501
32612	Plastics pipe, pipe fitting, and unlined profile shape manufacturing	2	6	4	253	8 489	204	453	5 779	30 065	29 790	59 458	D
32619	Other plastics product manufacturing	—	29	20	3 777	136 849	3 112	6 701	93 761	348 771	175 022	514 936	40 228
326199	All other plastics product manufacturing	—	29	20	3 777	136 849	3 112	6 701	93 761	348 771	175 022	514 936	40 228
3262	Rubber product manufacturing	7	5	2	307	8 434	281	586	6 959	15 720	12 600	28 251	692
32629	Other rubber product manufacturing	8	3	2	e	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	9	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	26	11	949	41 288	754	1 577	30 887	106 813	92 077	197 759	D
3272	Glass and glass product manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass	—	4	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	15	11	5 255	268 730	4 429	9 058	213 454	764 973	1 117 278	1 850 221	D
3313	Alumina and aluminum production and processing	—	6	5	h	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	—	6	5	h	D	D	D	D	D	D	D	D
331312	Primary aluminum production	—	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	—	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
EVANSVILLE, IN-KY METROPOLITAN STATISTICAL AREA—Con.													
331	Primary metal manufacturing—Con.	—	3	2	g	D	D	D	D	D	D	D	D
3315	Foundries	—	3	2	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	2	2	g	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	—	1	1	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	—	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	89	33	2 978	98 992	2 164	4 472	64 642	208 103	242 507	445 282	21 753
3321	Forging and stamping	—	7	4	403	16 129	352	775	13 061	11 109	124 552	134 486	D
33211	Forging and stamping	—	7	4	403	16 129	352	775	13 061	11 109	124 552	134 486	D
332115	Crown and closure manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	—	17	5	465	15 735	272	571	8 966	33 832	24 904	53 981	2 077
33231	Plate work and fabricated structural product manufacturing	—	10	4	376	11 915	205	441	6 476	26 547	21 397	43 794	D
332312	Fabricated structural metal manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	—	5	4	566	19 996	407	851	12 115	60 078	28 491	88 544	D
33241	Power boiler and heat exchanger manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
332410	Power boiler and heat exchanger manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	40	9	f	D	D	D	D	D	D	D	D
33271	Machine shops	1	39	8	505	15 890	341	672	9 517	35 277	13 612	49 181	1 766
332710	Machine shops	1	39	8	505	15 890	341	672	9 517	35 277	13 612	49 181	1 766
3329	Other fabricated metal product manufacturing	—	7	4	389	12 522	305	624	8 726	34 306	31 401	65 345	3 098
33299	All other fabricated metal product manufacturing	—	6	4	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	72	18	1 225	49 877	836	1 595	31 580	86 817	58 736	144 970	D
3335	Metalworking machinery manufacturing	1	42	9	651	26 418	484	923	18 148	47 563	16 640	62 905	D
33351	Metalworking machinery manufacturing	1	42	9	651	26 418	484	923	18 148	47 563	16 640	62 905	D
333511	Industrial mold manufacturing	—	24	5	402	15 082	317	575	11 240	27 376	7 520	35 556	D
334	Computer and electronic product manufacturing	—	9	2	321	8 631	219	437	4 036	26 947	76 677	105 934	D
335	Electrical equipment, appliance, and component manufacturing	—	12	5	h	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. Household refrigerator and home freezer manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	—	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	—	8	4	624	19 332	521	967	13 193	37 320	22 582	59 696	D
33531	Electrical equipment manufacturing	—	8	4	624	19 332	521	967	13 193	37 320	22 582	59 696	D
335312	Motor and generator manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	20	8	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
336112	Light truck and utility vehicle manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	15	6	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train 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.

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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)				
EVANSVILLE, IN-KY METROPOLITAN STATISTICAL AREA—Con.													
337	Furniture and related product manufacturing	2	22	5	355	9 732	295	471	7 594	19 985	10 067	30 414	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	19	4	298	8 166	254	399	6 539	16 549	7 676	24 589	D
339	Miscellaneous manufacturing	—	43	9	710	23 461	498	798	11 788	65 417	80 033	142 053	D
3399	Other miscellaneous manufacturing	—	23	9	642	21 423	452	711	10 603	60 648	78 044	135 295	D
33992	Sporting and athletic goods manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
339920	Sporting and athletic goods manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
GLASGOW, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	69	29	5 892	197 089	4 825	9 656	147 826	561 354	620 720	1 177 752	92 839
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
315225	Men's and boys' cut and sew work clothing manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	11	3	267	5 897	216	476	4 638	11 548	21 557	32 448	1 147
323	Printing and related support activities	—	4	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	—	4	2	g	D	D	D	D	D	D	D	D
32311	Printing	—	3	2	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	3	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	—	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	1	1	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	7	5	2 063	76 931	1 708	3 538	57 060	221 215	314 361	532 674	61 558
3363	Motor vehicle parts manufacturing	—	5	5	g	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	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
33635	Motor vehicle transmission and power train parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	5	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)				
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
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

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)				
HUNTINGTON-ASHLAND, WV-KY-OH METROPOLITAN STATISTICAL AREA—Con.													
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
MADISONVILLE, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	50	18	2 823	112 603	2 231	4 238	82 179	323 843	440 145	770 452	59 753
315	Apparel manufacturing	2	3	3	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	3	3	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
3261	Plastics product manufacturing ..	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
32619	Other plastics product manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
326199	All other plastics product manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
336	Transportation equipment manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
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

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)				
MAYSVILLE, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	28	15	2 181	82 313	1 701	3 587	52 645	240 570	243 624	489 198	10 952
315	Apparel manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
315221	Men's and boys' cut and sew underwear and nightwear manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	5	3	3	340	9 239	300	600	7 045	25 340	20 723	45 261	1 503
3261	Plastics product manufacturing ..	5	3	3	340	9 239	300	600	7 045	25 340	20 723	45 261	1 503
32619	Other plastics product manufacturing	6	2	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	6	2	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	3	2	253	10 966	209	482	8 799	38 929	33 759	72 644	D
333	Machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
MIDDLESBOROUGH, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	22	7	708	21 056	512	1 024	12 637	71 442	71 186	142 464	D
311	Food manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	e	D	D	D	D	D	D	D	D
MURRAY, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	-	31	8	2 494	81 609	2 008	3 712	58 018	167 143	356 848	543 134	7 176
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	-	1	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
311911	Roasted nuts and peanut butter manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	-	1	1	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
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
339	Miscellaneous manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
33993	Doll, toy, and game manufacturing	-	1	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

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)				
	OWENSBORO, KY METROPOLITAN STATISTICAL AREA												
31-33	Manufacturing	-	144	60	9 177	359 520	6 886	13 595	247 804	1 751 053	2 467 655	4 230 010	77 081
311	Food manufacturing	-	16	7	1 659	56 258	1 172	1 901	32 405	380 743	578 162	926 942	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
3116	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	2	1	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	7	1	e	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	7	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	2	1	e	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3122	Tobacco manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	3	3	f	D	D	D	D	D	D	D	D
32211	Pulp mills	-	1	1	e	D	D	D	D	D	D	D	D
322110	Pulp mills	-	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills	-	2	2	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	9	8	872	28 324	690	1 296	18 888	69 564	58 880	126 065	1 804
3261	Plastics product manufacturing ..	-	9	8	872	28 324	690	1 296	18 888	69 564	58 880	126 065	1 804
32619	Other plastics product manufacturing	-	4	4	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	-	4	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	6	11	4	330	9 596	268	536	7 189	27 970	21 347	49 243	1 451
331	Primary metal manufacturing	-	7	7	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	5	5	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	5	5	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	-	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	35	13	1 257	42 605	921	1 910	29 261	87 360	54 031	141 430	9 430
3321	Forging and stamping.....	-	3	3	e	D	D	D	D	D	D	D	D
33211	Forging and stamping.....	-	3	3	e	D	D	D	D	D	D	D	D
332116	Metal stamping	-	3	3	e	D	D	D	D	D	D	D	D
3324	Boiler, tank, and shipping container manufacturing	5	6	3	374	12 336	301	671	9 265	26 166	14 348	40 892	4 948
337	Furniture and related product manufacturing	-	7	2	484	14 904	427	786	12 743	43 609	28 573	72 005	D
3372	Office furniture (including fixtures) manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
337211	Wood office furniture manufacturing	-	2	1	e	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)				
SOMERSET, KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	1	92	35	3 964	107 184	3 261	6 185	78 563	404 159	354 592	760 398	16 542
315	Apparel manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	2	19	11	1 052	24 266	956	1 843	20 170	82 983	78 080	156 813	3 048
3219	Other wood product manufacturing	3	14	9	928	21 310	840	1 624	17 775	74 284	66 112	136 181	2 859
32191	Millwork	5	6	4	633	15 079	568	1 136	12 531	46 225	31 859	76 292	D
321918	Other millwork (including flooring)	5	4	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	6	3	484	15 666	398	811	12 268	41 731	16 507	59 736	D
3271	Clay product and refractory manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
327111	Vitreous china and earthenware plumbing fixture and accessories mfg	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	5	941	28 336	830	1 544	22 488	119 892	110 752	231 370	4 227
3363	Motor vehicle parts manufacturing	-	4	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
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
UNION CITY, TN-KY MICROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	1	51	26	8 008	285 275	6 881	13 681	228 119	693 491	711 290	1 407 291	51 864
311	Food manufacturing	7	8	4	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	8	4	3	g	D	D	D	D	D	D	D	D
311615	Poultry processing	9	1	1	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	4	h	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
3262	Rubber product manufacturing ...	-	2	2	h	D	D	D	D	D	D	D	D
32621	Tire manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	1	1	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	3	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

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
UNION CITY, TN-KY MICROPOLITAN STATISTICAL AREA—Con.													
332	Fabricated metal product manufacturing	-	10	5	748	23 720	633	1 307	18 183	49 513	65 720	115 916	D
3323	Architectural and structural metals manufacturing	-	4	4	685	21 279	581	1 211	16 360	44 475	63 327	108 492	D
33232	Ornamental and architectural metal products manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	5	3	e	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
333414	Heating equipment (except warm air furnaces) manufacturing	-	1	1	e	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)				
ALLEN													
31-33	Manufacturing	-	15	6	1 586	52 984	1 394	2 853	43 479	96 453	96 416	195 256	14 333
335	Electrical equipment, appliance, and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
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
ANDERSON													
31-33	Manufacturing	1	21	7	1 236	49 654	950	1 913	33 093	165 452	137 365	344 890	D
BALLARD													
31-33	Manufacturing	-	12	3	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	f	D	D	D	D	D	D	D	D
BARREN													
31-33	Manufacturing	-	57	24	5 221	178 541	4 262	8 485	132 863	513 521	500 545	1 006 589	D
323	Printing and related support activities	-	3	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	3	2	g	D	D	D	D	D	D	D	D
32311	Printing	-	2	2	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	2	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	1	1	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	4	g	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
33635	Motor vehicle transmission and power train parts manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
BELL													
31-33	Manufacturing	-	22	7	708	21 056	512	1 024	12 637	71 442	71 186	142 464	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)				
BOONE													
31-33	Manufacturing	1	164	76	10 424	413 824	7 445	15 589	243 938	1 261 086	1 369 002	2 631 063	68 619
311	Food manufacturing	2	6	5	1 275	42 552	1 135	2 591	36 076	223 532	200 424	423 687	10 175
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	-	6	4	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	6	4	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
322224	Uncoated paper and multiwall bag manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	11	4	936	47 138	705	1 488	31 129	89 064	64 184	152 433	2 258
3231	Printing and related support activities	-	11	4	936	47 138	705	1 488	31 129	89 064	64 184	152 433	2 258
32311	Printing	-	10	3	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	6	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	2	12	6	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	6	14	8	1 683	60 953	1 367	2 869	45 405	239 285	170 120	406 889	14 658
3261	Plastics product manufacturing ..	6	14	8	1 683	60 953	1 367	2 869	45 405	239 285	170 120	406 889	14 658
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	6	6	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	6	6	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	34	13	1 064	43 851	703	1 451	23 561	111 027	113 385	222 622	7 546
333	Machinery manufacturing	-	24	10	1 851	85 142	947	1 786	32 602	208 086	299 202	513 205	D
3335	Metalworking machinery manufacturing	-	7	1	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	-	7	1	f	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	7	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	4	1 024	45 274	678	1 523	24 161	127 111	220 292	347 956	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	-	3	3	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering and suspension component (except spring) manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
BOURBON													
31-33	Manufacturing	1	18	9	f	D	D	D	D	D	D	D	11 939

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)				
BOYD													
31-33	Manufacturing	-	37	14	3 485	170 250	2 594	5 641	132 750	844 367	2 926 637	3 755 469	D
324	Petroleum and coal products manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	2	2	g	D	D	D	D	D	D	D	D
BOYLE													
31-33	Manufacturing	-	30	19	i	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	2	1	f	D	D	D	D	D	D	D	D
32311	Printing	-	2	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
331	Primary metal manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	7	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
BULLITT													
31-33	Manufacturing	-	47	11	2 471	84 532	2 071	3 888	62 798	176 547	171 033	343 229	11 219
323	Printing and related support activities	-	5	3	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	5	3	g	D	D	D	D	D	D	D	D
32311	Printing	-	4	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	3	3	g	D	D	D	D	D	D	D	D
BUTLER													
31-33	Manufacturing	1	15	5	929	29 095	793	1 649	23 475	73 865	49 816	126 000	D
CALDWELL													
31-33	Manufacturing	-	14	3	754	25 332	604	1 178	16 989	89 196	59 843	148 368	D
311	Food manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
CALLOWAY													
31-33	Manufacturing	-	31	8	2 494	81 609	2 008	3 712	58 018	167 143	356 848	543 134	7 176
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
CAMPBELL													
31-33	Manufacturing	-	75	26	2 551	94 349	1 673	3 141	57 852	199 247	276 654	489 857	24 603
311	Food manufacturing	-	9	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
CARROLL													
31-33	Manufacturing	-	15	9	2 499	127 885	1 749	3 747	81 664	581 676	970 965	1 506 678	D
325	Chemical manufacturing	5	3	2	f	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing ...	5	3	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	5	2	2	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	5	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	6	2	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	-	1	1	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	1	1	f	D	D	D	D	D	D	D	D
332811	Metal heat treating	-	1	1	f	D	D	D	D	D	D	D	D
CHRISTIAN													
31-33	Manufacturing	-	70	31	5 391	175 599	4 237	9 013	122 615	465 251	698 286	1 157 555	68 416
315	Apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	13	7	790	26 946	608	1 243	17 797	89 799	79 213	169 663	6 632
336	Transportation equipment manufacturing	-	7	6	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	6	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
CLARK													
31-33	Manufacturing	-	49	32	4 174	130 644	3 313	6 933	89 106	448 428	499 119	959 260	40 369
332	Fabricated metal product manufacturing	-	10	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
CLINTON													
31-33	Manufacturing	-	18	8	1 897	40 210	1 689	3 949	34 815	275 023	278 229	551 699	2 315
311	Food manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	g	D	D	D	D	D	D	D	D

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)				
DAVIESS													
31-33	Manufacturing	-	111	47	6 315	224 817	4 726	8 951	148 945	1 260 110	1 235 185	2 467 294	D
311	Food manufacturing	-	14	6	g	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
312	Beverage and tobacco product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	8	7	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	8	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	27	11	g	D	D	D	D	D	D	D	7 315
FAYETTE													
31-33	Manufacturing	-	265	92	14 025	652 868	7 651	14 471	245 002	2 964 854	1 947 970	4 927 670	103 171
322	Paper manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
3222	Converted paper product manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
323	Printing and related support activities	1	53	14	961	31 981	602	1 183	18 588	67 289	24 316	91 536	D
3231	Printing and related support activities	1	53	14	961	31 981	602	1 183	18 588	67 289	24 316	91 536	D
32311	Printing	1	47	13	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	12	6	731	26 306	617	1 278	20 391	53 077	28 250	79 641	10 766
332	Fabricated metal product manufacturing	2	39	17	1 295	49 546	877	1 714	26 293	116 515	71 982	188 376	3 839
3323	Architectural and structural metals manufacturing	6	15	8	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	16	7	2 341	94 708	1 742	3 284	63 018	250 852	225 983	479 809	D
3331	Agriculture, construction, and mining machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	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	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	14	9	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	-	4	4	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	-	4	4	h	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	3	3	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	6	f	D	D	D	D	D	D	D	9 235
3363	Motor vehicle parts manufacturing	-	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	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)				
FLEMING													
31-33	Manufacturing	-	21	6	611	14 870	537	1 036	12 074	37 757	55 863	93 493	6 779
FRANKLIN													
31-33	Manufacturing	1	47	18	2 936	103 990	2 228	4 386	68 485	293 791	393 498	669 608	D
326	Plastics and rubber products manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
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	-	13	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	2	6	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	2	5	4	g	D	D	D	D	D	D	D	D
FULTON													
31-33	Manufacturing	1	11	7	970	26 411	799	1 538	19 006	81 879	122 615	202 644	D
GRANT													
31-33	Manufacturing	-	21	6	f	D	D	D	D	D	D	D	D
GRAVES													
31-33	Manufacturing	1	54	15	2 833	90 268	2 188	4 847	69 383	256 844	293 430	566 232	23 937
311	Food manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	2	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	1	1	g	D	D	D	D	D	D	D	D
GRAYSON													
31-33	Manufacturing	2	35	19	2 520	63 641	1 933	3 740	50 527	117 458	424 908	536 304	9 252
HANCOCK													
31-33	Manufacturing	-	20	9	h	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	4	4	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	4	4	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	-	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil 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	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)
HARDIN													
31-33	Manufacturing	2	89	34	i	D	D	D	D	D	D	130 478	
325	Chemical manufacturing	5	7	4	f	D	D	D	D	D	D	D	
326	Plastics and rubber products manufacturing	—	7	3	852	28 249	671	1 442	20 041	122 762	72 044	195 400	3 644
3262	Rubber product manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	
32622	Rubber and plastics hoses and belting manufacturing	—	1	1	f	D	D	D	D	D	D	D	
326220	Rubber and plastics hoses and belting manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	
327	Nonmetallic mineral product manufacturing	—	7	4	f	D	D	D	D	D	D	D	
3272	Glass and glass product manufacturing	—	1	1	f	D	D	D	D	D	D	D	
32721	Glass and glass product manufacturing	—	1	1	f	D	D	D	D	D	D	D	
327215	Glass product manufacturing made of purchased glass ..	—	1	1	f	D	D	D	D	D	D	D	
332	Fabricated metal product manufacturing	1	20	6	f	D	D	D	D	D	D	3 651	
336	Transportation equipment manufacturing	—	4	3	g	D	D	D	D	D	D	76 582	
3363	Motor vehicle parts manufacturing	—	3	3	g	D	D	D	D	D	D	D	
33634	Motor vehicle brake system manufacturing	—	1	1	g	D	D	D	D	D	D	D	
336340	Motor vehicle brake system manufacturing	—	1	1	g	D	D	D	D	D	D	D	
33639	Other motor vehicle parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	
336399	All other motor vehicle parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	
HARRISON													
31-33	Manufacturing	—	20	10	1 381	55 354	1 069	2 161	34 736	282 684	152 397	436 012	37 810
322	Paper manufacturing	—	2	2	f	D	D	D	D	D	D	D	
3222	Converted paper product manufacturing	—	2	2	f	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	
322222	Coated and laminated paper manufacturing	—	1	1	f	D	D	D	D	D	D	D	
HART													
31-33	Manufacturing	—	15	7	1 680	38 448	1 538	2 486	34 303	116 105	141 745	256 279	16 388
326	Plastics and rubber products manufacturing	—	1	1	f	D	D	D	D	D	D	D	
3261	Plastics product manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	
32614	Polystyrene foam product manufacturing	—	1	1	f	D	D	D	D	D	D	D	
326140	Polystyrene foam product manufacturing	—	1	1	f	D	D	D	D	D	D	D	
HENDERSON													
31-33	Manufacturing	—	85	43	7 290	246 728	6 126	12 536	183 541	770 205	1 028 745	1 794 649	71 300
311	Food manufacturing	—	8	4	g	D	D	D	D	D	D	D	
3116	Animal slaughtering and processing	—	5	2	g	D	D	D	D	D	D	D	
31161	Animal slaughtering and processing	—	5	2	g	D	D	D	D	D	D	D	
311615	Poultry processing	—	1	1	g	D	D	D	D	D	D	D	
326	Plastics and rubber products manufacturing	—	9	7	f	D	D	D	D	D	D	D	
3261	Plastics product manufacturing ..	—	9	7	f	D	D	D	D	D	D	D	
32619	Other plastics product manufacturing	—	6	5	f	D	D	D	D	D	D	D	
326199	All other plastics product manufacturing	—	6	5	f	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)				
HENDERSON—Con.													
331	Primary metal manufacturing	—	7	6	h	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	2	2	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing . . .	—	2	2	f	D	D	D	D	D	D	D	D
331312	Primary aluminum production	—	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	—	2	2	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	—	2	2	g	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	—	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	13	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	6	3	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
HENRY													
31-33	Manufacturing	1	10	6	f	D	D	D	D	D	D	D	D
HOPKINS													
31-33	Manufacturing	—	50	18	2 823	112 603	2 231	4 238	82 179	323 843	440 145	770 452	59 753
326	Plastics and rubber products manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
3261	Plastics product manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
32619	Other plastics product manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
326199	All other plastics product manufacturing	—	4	3	652	26 576	508	1 049	19 881	125 306	58 752	183 772	D
336	Transportation equipment manufacturing	—	3	2	g	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
JACKSON													
31-33	Manufacturing	—	16	5	1 111	20 457	879	1 270	15 788	53 180	102 779	155 565	1 450
333	Machinery manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
JEFFERSON													
31-33	Manufacturing	—	864	359	49 298	2 224 641	36 962	74 654	1 547 886	5 643 059	15 636 658	21 273 881	308 091
311	Food manufacturing	1	58	29	4 584	141 819	3 559	7 059	101 835	575 534	738 537	1 320 953	38 003
3114	Fruit and vegetable preserving and specialty food manufacturing	—	8	6	g	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
311412	Frozen specialty food manufacturing	—	3	3	804	27 667	587	1 124	17 474	100 686	64 240	166 122	9 142
3116	Animal slaughtering and processing	—	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	2	1	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	—	2	1	g	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	6	29	8	g	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	8	3	3	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	9	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 3. Industry Statistics for Counties: 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)
JEFFERSON—Con.													
311	Food manufacturing—Con.												
3119	Other food manufacturing	1	11	9	f	D	D	D	D	D	D	15 992	
31191	Snack food manufacturing	—	3	3	f	D	D	D	D	D	D	D	
311919	Other snack food manufacturing	—	2	2	f	D	D	D	D	D	D	D	
312	Beverage and tobacco product manufacturing	—	8	6	f	D	D	D	D	D	D	D	
314	Textile product mills	1	16	5	f	D	D	D	D	D	D	D	
321	Wood product manufacturing	2	22	10	f	D	D	D	D	D	D	D	
322	Paper manufacturing	—	34	26	h	D	D	D	D	D	D	D	
3222	Converted paper product manufacturing	—	34	26	h	D	D	D	D	D	D	D	
32221	Paperboard container manufacturing	—	17	16	g	D	D	D	D	D	D	D	
322211	Corrugated and solid fiber box manufacturing	—	14	13	1 322	49 101	982	1 997	29 216	118 333	171 412	279 831	6 023
32223	Stationery product manufacturing	—	10	4	f	D	D	D	D	D	D	D	
323	Printing and related support activities	1	126	35	h	D	D	D	D	D	D	D	
3231	Printing and related support activities	1	126	35	h	D	D	D	D	D	D	D	
32311	Printing	2	120	33	h	D	D	D	D	D	D	D	
323110	Commercial lithographic printing	2	51	20	g	D	D	D	D	D	D	D	
325	Chemical manufacturing	—	61	33	h	D	D	D	D	D	D	D	
3251	Basic chemical manufacturing ...	2	13	7	g	D	D	D	D	D	D	D	
32518	Other basic inorganic chemical manufacturing	3	4	3	f	D	D	D	D	D	D	D	
325188	All other basic inorganic chemical manufacturing	3	4	3	f	D	D	D	D	D	D	D	
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	11	10	g	D	D	D	D	D	D	D	
32521	Resin and synthetic rubber manufacturing	—	11	10	g	D	D	D	D	D	D	D	
325211	Plastics material and resin manufacturing	—	8	7	g	D	D	D	D	D	D	D	
325212	Synthetic rubber manufacturing	—	3	3	g	D	D	D	D	D	D	D	
3255	Paint, coating, and adhesive manufacturing	—	17	10	f	D	D	D	D	D	D	D	
32551	Paint and coating manufacturing	—	16	10	f	D	D	D	D	D	D	D	
325510	Paint and coating manufacturing	—	16	10	f	D	D	D	D	D	D	D	
326	Plastics and rubber products manufacturing	1	29	18	g	D	D	D	D	D	D	D	
3261	Plastics product manufacturing ..	1	26	18	g	D	D	D	D	D	D	D	
32619	Other plastics product manufacturing	2	14	9	g	D	D	D	D	D	D	D	
326199	All other plastics product manufacturing	2	12	8	f	D	D	D	D	D	D	3 056	
327	Nonmetallic mineral product manufacturing	1	35	15	1 123	41 826	838	1 644	26 748	90 635	76 675	167 520	D
331	Primary metal manufacturing	—	14	7	f	D	D	D	D	D	D	D	
3313	Alumina and aluminum production and processing	—	5	5	f	D	D	D	D	D	D	D	
33131	Alumina and aluminum production and processing ...	—	5	5	f	D	D	D	D	D	D	D	
331316	Aluminum extruded product manufacturing	—	2	2	f	D	D	D	D	D	D	D	
332	Fabricated metal product manufacturing	1	162	75	6 462	227 967	4 506	8 686	134 273	694 322	678 594	1 359 064	26 888
3321	Forging and stamping.....	3	11	10	g	D	D	D	D	D	D	D	
33211	Forging and stamping.....	3	11	10	g	D	D	D	D	D	D	D	
332116	Metal stamping	4	8	7	f	D	D	D	D	D	D	D	
3323	Architectural and structural metals manufacturing	4	51	19	1 105	39 380	820	1 613	23 927	79 866	72 592	152 174	5 165
33231	Plate work and fabricated structural product manufacturing	5	21	10	f	D	D	D	D	D	D	D	3 826
33232	Ornamental and architectural metal products manufacturing	4	30	9	f	D	D	D	D	D	D	D	1 339

See footnotes at end of table.

Table 3. Industry Statistics for Counties: 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)	
		E1	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
JEFFERSON—Con.													
332	Fabricated metal product manufacturing—Con.												
3324	Boiler, tank, and shipping container manufacturing	—	10	5	f	D	D	D	D	D	D	D	
33242	Metal tank (heavy gauge) manufacturing	—	5	3	f	D	D	D	D	D	D	D	
332420	Metal tank (heavy gauge) manufacturing	—	5	3	f	D	D	D	D	D	D	D	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	54	22	g	D	D	D	D	D	D	D	
33271	Machine shops	3	51	20	g	D	D	D	D	D	D	3 952	
332710	Machine shops	3	51	20	g	D	D	D	D	D	D	3 952	
3329	Other fabricated metal product manufacturing	—	17	9	g	D	D	D	D	D	D	3 387	
33299	All other fabricated metal product manufacturing	—	17	9	g	D	D	D	D	D	D	3 387	
332999	All other miscellaneous fabricated metal product manufacturing	—	12	6	f	D	D	D	D	D	D	D	
333	Machinery manufacturing	2	85	38	3 810	141 644	2 264	4 640	67 043	318 053	251 983	579 422	10 374
3333	Commercial and service industry machinery manufacturing	1	5	4	f	D	D	D	D	D	D	D	
33331	Commercial and service industry machinery manufacturing	1	5	4	f	D	D	D	D	D	D	D	
333319	Other commercial and service industry machinery manufacturing	2	3	3	f	D	D	D	D	D	D	D	
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	14	10	f	D	D	D	D	D	D	D	
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	14	10	f	D	D	D	D	D	D	D	
333411	Air purification equipment manufacturing	—	7	4	f	D	D	D	D	D	D	D	
3335	Metalworking machinery manufacturing	—	19	5	f	D	D	D	D	D	D	D	
33351	Metalworking machinery manufacturing	—	19	5	f	D	D	D	D	D	D	D	
3339	Other general purpose machinery manufacturing	2	30	13	1 297	61 969	616	1 282	23 009	133 735	121 387	261 531	D
33399	All other general purpose machinery manufacturing	—	17	7	f	D	D	D	D	D	D	D	
335	Electrical equipment, appliance, and component manufacturing	—	14	7	h	D	D	D	D	D	D	D	
3352	Household appliance manufacturing	—	4	3	h	D	D	D	D	D	D	D	
33522	Major appliance manufacturing, household refrigerator and home freezer	—	4	3	h	D	D	D	D	D	D	D	
335222	Household laundry equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	
335224	Other major household appliance manufacturing	—	1	1	g	D	D	D	D	D	D	D	
336	Transportation equipment manufacturing	—	31	15	j	D	D	D	D	D	D	64 772	
3361	Motor vehicle manufacturing	—	4	2	i	D	D	D	D	D	D	D	
33611	Automobile and light duty motor vehicle manufacturing	—	4	2	i	D	D	D	D	D	D	D	
336112	Light truck and utility vehicle manufacturing	—	3	2	i	D	D	D	D	D	D	D	
3363	Motor vehicle parts manufacturing	—	21	9	g	D	D	D	D	D	D	D	
33636	Motor vehicle seating and interior trim manufacturing	—	3	2	f	D	D	D	D	D	D	D	
336360	Motor vehicle seating and interior trim manufacturing	—	3	2	f	D	D	D	D	D	D	D	
337	Furniture and related product manufacturing	2	52	10	g	D	D	D	D	D	D	D	
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	36	4	f	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)				
JEFFERSON—Con.													
339	Miscellaneous manufacturing	2	82	23	1 740	65 825	1 124	2 059	33 567	123 197	65 616	188 544	19 335
3391	Medical equipment and supplies manufacturing	3	27	10	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	3	27	10	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	2	55	13	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	19	9	f	D	D	D	D	D	D	D	D
JESSAMINE													
31-33	Manufacturing	1	66	19	2 347	77 996	1 837	3 570	51 653	330 114	474 620	803 968	27 612
KENTON													
31-33	Manufacturing	1	153	52	5 895	232 764	4 115	8 385	131 008	572 218	631 853	1 205 914	89 758
311	Food manufacturing	4	11	6	1 614	57 388	1 192	2 453	31 376	160 655	133 526	293 152	D
3116	Animal slaughtering and processing	—	3	3	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	3	3	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	—	2	2	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	11	5	604	26 582	385	770	16 186	73 094	151 457	225 656	D
332	Fabricated metal product manufacturing	1	24	6	651	31 164	380	826	11 897	64 810	66 207	132 674	D
333	Machinery manufacturing	1	20	8	792	41 151	475	1 001	21 083	79 495	58 963	137 166	6 777
3339	Other general purpose machinery manufacturing	1	10	4	f	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	8	3	f	D	D	D	D	D	D	D	D
KNOX													
31-33	Manufacturing	2	16	3	f	D	D	D	D	D	D	D	D
LARUE													
31-33	Manufacturing	2	17	6	f	D	D	D	D	D	D	D	2 518
LAUREL													
31-33	Manufacturing	4	50	19	3 236	86 480	2 520	5 410	61 610	316 278	341 865	657 575	8 385
311	Food manufacturing	—	5	4	g	D	D	D	D	D	D	D	2 473
3118	Bakeries and tortilla manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	2	2	g	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
LINCOLN													
31-33	Manufacturing	1	14	6	f	D	D	D	D	D	D	D	D
LOGAN													
31-33	Manufacturing	—	48	19	4 296	167 089	3 400	7 033	115 321	1 146 273	645 818	1 780 412	21 058
326	Plastics and rubber products manufacturing	1	4	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	3	2	f	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	2	2	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
MCCRACKEN													
31-33	Manufacturing	—	55	23	h	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	2	2	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

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)				
MADISON													
31-33	Manufacturing	-	69	33	5 860	217 377	4 492	9 396	145 896	651 257	1 165 312	1 813 538	30 540
327	Nonmetallic mineral product manufacturing	-	6	4	540	18 191	443	835	13 487	67 094	45 161	113 066	2 943
333	Machinery manufacturing	-	12	6	f	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	3	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	5	1 516	63 589	1 090	2 455	40 190	153 085	270 842	418 590	11 808
3363	Motor vehicle parts manufacturing	-	6	5	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
MARION													
31-33	Manufacturing	-	30	15	2 325	69 006	1 933	3 714	47 913	202 559	165 869	367 201	30 982
332	Fabricated metal product manufacturing	-	12	4	781	27 845	640	1 263	19 238	65 068	60 559	124 689	D
3329	Other fabricated metal product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	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
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
MARSHALL													
31-33	Manufacturing	-	40	16	2 466	141 587	1 630	3 527	88 105	882 089	932 332	1 793 586	D
325	Chemical manufacturing	-	13	10	1 688	108 938	1 027	2 364	64 300	807 801	768 551	1 547 116	D
3251	Basic chemical manufacturing ...	-	6	5	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
MASON													
31-33	Manufacturing	-	19	11	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment 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)				
MERCER													
31-33	Manufacturing	-	16	5	2 736	104 613	1 982	4 155	72 842	170 594	748 964	918 766	29 975
336	Transportation equipment manufacturing	-	3	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
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
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
METCALFE													
31-33	Manufacturing	-	12	5	671	18 548	563	1 171	14 963	47 833	120 175	171 163	D
MONROE													
31-33	Manufacturing	-	20	10	816	20 344	648	1 198	13 542	61 075	48 953	108 161	2 321
MONTGOMERY													
31-33	Manufacturing	-	36	19	h	D	D	D	D	D	D	D	D
311	Food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	5	5	1 060	29 733	829	1 252	15 227	78 042	48 640	125 647	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
MUHLENBERG													
31-33	Manufacturing	-	32	12	1 104	27 212	977	1 789	21 497	90 992	61 925	153 823	D
NELSON													
31-33	Manufacturing	2	57	22	3 276	106 468	2 551	5 144	72 171	334 775	497 954	832 471	34 254
312	Beverage and tobacco product manufacturing	3	4	3	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	3	4	3	f	D	D	D	D	D	D	D	D
31214	Distilleries	3	4	3	f	D	D	D	D	D	D	D	D
312140	Distilleries	3	4	3	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	6	6	4	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	6	6	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	g	D	D	D	D	D	D	D	17 997
3363	Motor vehicle parts manufacturing	-	5	4	g	D	D	D	D	D	D	D	17 997
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
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
OHIO													
31-33	Manufacturing	-	27	8	1 636	40 015	1 377	2 667	31 296	152 172	66 764	216 261	6 497
311	Food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	2	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
OLDHAM													
31-33	Manufacturing	1	43	11	1 155	47 379	856	1 700	24 105	149 212	201 946	350 553	D
311	Food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
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
PENDLETON													
31-33	Manufacturing	1	12	7	574	18 958	412	840	12 294	44 839	43 741	88 270	D
PERRY													
31-33	Manufacturing	-	13	7	965	25 384	831	1 592	20 194	63 950	92 649	157 073	D
PIKE													
31-33	Manufacturing	-	27	3	615	18 323	528	1 161	14 324	49 535	85 280	135 135	D
POWELL													
31-33	Manufacturing	1	12	6	503	12 352	419	797	8 798	19 589	55 157	80 248	1 402
PULASKI													
31-33	Manufacturing	1	92	35	3 964	107 184	3 261	6 185	78 563	404 159	354 592	760 398	16 542
321	Wood product manufacturing	2	19	11	1 052	24 266	956	1 843	20 170	82 983	78 080	156 813	3 048
3219	Other wood product manufacturing	3	14	9	928	21 310	840	1 624	17 775	74 284	66 112	136 181	2 859
32191	Millwork	5	6	4	633	15 079	568	1 136	12 531	46 225	31 859	76 292	D
321918	Other millwork (including flooring)	5	4	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	5	941	28 336	830	1 544	22 488	119 892	110 752	231 370	4 227
3363	Motor vehicle parts manufacturing	-	4	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
ROCKCASTLE													
31-33	Manufacturing	6	10	4	574	15 857	462	882	11 089	28 878	27 381	60 887	1 989
ROWAN													
31-33	Manufacturing	1	19	8	1 381	37 745	1 122	2 415	28 959	152 773	85 992	239 029	6 129
326	Plastics and rubber products manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
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
RUSSELL													
31-33	Manufacturing	-	28	8	1 194	31 363	1 026	2 161	24 093	68 183	173 861	286 362	12 429
313	Textile mills	-	1	1	f	D	D	D	D	D	D	D	D
3132	Fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
31324	Knit fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
313241	Weft knit fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
SCOTT													
31-33	Manufacturing	-	41	17	j	D	D	D	D	D	D	D	103 600
332	Fabricated metal product manufacturing	-	20	8	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	3	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
3363	Motor vehicle parts manufacturing	1	2	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)				
SHELBY													
31-33	Manufacturing	-	42	23	4 693	182 801	3 682	7 767	131 488	508 897	878 052	1 390 105	33 801
322	Paper manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	9	5	g	D	D	D	D	D	D	D	3 700
3325	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	1 758	81 251	1 466	3 010	63 922	253 436	468 884	725 361	D
3363	Motor vehicle parts manufacturing	-	4	4	g	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
SIMPSON													
31-33	Manufacturing	-	36	19	3 428	123 279	2 756	4 742	88 090	436 456	349 276	786 584	37 168
322	Paper manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
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
323	Printing and related support activities	-	5	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	5	2	f	D	D	D	D	D	D	D	D
32311	Printing	-	4	1	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing ..	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	5	f	D	D	D	D	D	D	D	7 376
3363	Motor vehicle parts manufacturing	-	6	5	f	D	D	D	D	D	D	D	7 376
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
TAYLOR													
31-33	Manufacturing	-	43	11	1 862	47 855	1 552	2 684	31 081	109 353	131 394	240 799	D
321	Wood product manufacturing	-	10	1	714	17 808	606	942	11 915	42 056	27 246	68 942	1 423
3219	Other wood product manufacturing	-	7	1	f	D	D	D	D	D	D	D	D
32191	Millwork	-	7	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	-	6	1	f	D	D	D	D	D	D	D	D
TODD													
31-33	Manufacturing	-	21	8	1 120	25 290	1 049	1 899	22 045	51 730	115 586	167 536	1 138
315	Apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
TRIGG													
31-33	Manufacturing	-	20	8	1 204	32 377	986	1 775	24 482	115 985	88 529	203 908	8 070
336	Transportation equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	f	D	D	D	D	D	D	D	D

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)				
UNION													
31-33	Manufacturing	-	16	4	879	25 527	703	1 383	18 389	92 176	73 391	158 311	2 092
336	Transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
WARREN													
31-33	Manufacturing	-	107	48	i	D	D	D	D	D	D	D	D
311	Food manufacturing	-	8	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	5	5	742	28 400	603	1 267	19 913	182 048	172 697	350 223	12 233
3222	Converted paper product manufacturing	-	5	5	742	28 400	603	1 267	19 913	182 048	172 697	350 223	12 233
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	9	5	691	25 214	521	1 121	15 088	73 855	55 975	128 036	7 869
332	Fabricated metal product manufacturing	-	13	5	622	20 147	523	946	14 884	74 284	62 969	131 464	3 746
333	Machinery manufacturing	-	8	4	1 049	32 463	678	1 284	14 039	119 406	116 320	238 251	5 598
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	11	9	2 053	104 941	1 646	3 277	82 662	934 830	783 167	1 724 649	23 653
3361	Motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	8	7	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	7	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	5	1	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
WASHINGTON													
31-33	Manufacturing	4	12	9	868	26 181	702	1 505	19 044	80 481	126 371	208 654	17 319

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)				
WAYNE													
31-33	Manufacturing	—	34	15	1 968	45 000	1 761	3 486	37 158	122 142	98 108	218 906	14 588
321	Wood product manufacturing	—	f ¹⁴	f ⁶	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	—	f ⁸	f ⁴	f ⁷⁸⁴	f ^{15 968}	f ⁷²⁰	f ^{1 395}	f ^{13 486}	f ^{29 391}	f ^{42 930}	f ^{71 635}	D
32191	Millwork	—	f ⁶	f ⁴	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	—	f ²	f ²	f	D	D	D	D	D	D	D	D
WEBSTER													
31-33	Manufacturing	—	21	7	640	17 319	508	977	11 579	70 978	83 826	154 702	1 637
WHITLEY													
31-33	Manufacturing	7	35	13	1 635	49 397	1 270	2 349	32 434	114 630	152 319	269 271	8 051
327	Nonmetallic mineral product manufacturing	7	5	3	f	D	D	D	D	D	D	D	D
WOODFORD													
31-33	Manufacturing	—	23	10	h	D	D	D	D	D	D	D	34 027
323	Printing and related support activities	—	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	—	2	1	f	D	D	D	D	D	D	D	D
32311	Printing	—	2	1	f	D	D	D	D	D	D	D	D
323117	Books printing	—	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	—	3	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
335	Electrical equipment, appliance, and component manufacturing	—	3	2	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

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)				
ASHLAND													
31-33	Manufacturing	-	20	7	g	D	D	D	D	D	D	D	5 849
331	Primary metal manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
331111	Iron and steel mills	-	2	2	g	D	D	D	D	D	D	D	D
ARDSTOWN													
31-33	Manufacturing	2	27	12	g	D	D	D	D	D	D	D	30 000
312	Beverage and tobacco product manufacturing	5	2	2	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	5	2	2	f	D	D	D	D	D	D	D	D
31214	Distilleries	5	2	2	f	D	D	D	D	D	D	D	D
312140	Distilleries	5	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	g	D	D	D	D	D	D	D	17 997
3363	Motor vehicle parts manufacturing	-	5	4	g	D	D	D	D	D	D	D	17 997
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
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
BEREA													
31-33	Manufacturing	-	23	12	h	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	3	2	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
33392	Material handling equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	4	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
BOWLING GREEN													
31-33	Manufacturing	-	90	46	8 189	307 356	6 274	12 644	205 077	1 728 726	1 525 176	3 247 273	D
311	Food manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	8	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	11	5	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)				
BOWLING GREEN—Con.													
333	Machinery manufacturing	-	8	4	1 049	32 463	678	1 284	14 039	119 406	116 320	238 251	5 598
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	11	9	2 053	104 941	1 646	3 277	82 662	934 830	783 167	1 724 649	23 653
3361	Motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336111	Automobile manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	8	7	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	5	5	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	9	6	2	f	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	9	4	1	f	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
CALVERT CITY													
31-33	Manufacturing	-	20	12	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	11	10	g	D	D	D	D	D	D	D	D
3251	Basic chemical manufacturing	-	6	5	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
CAMPBELLSVILLE													
31-33	Manufacturing	1	22	8	983	24 193	825	1 481	17 116	56 254	100 643	157 275	D
CORBIN													
31-33	Manufacturing	7	17	5	610	18 973	392	780	10 107	63 854	69 266	132 571	5 256
COVINGTON													
31-33	Manufacturing	-	46	15	1 255	41 308	1 019	1 979	27 832	98 588	144 078	243 038	12 911
CRESTVIEW HILLS													
31-33	Manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
311	Food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
CYNTHIANA													
31-33	Manufacturing	-	18	10	g	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	2	2	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
32222	Paper bag and coated and treated paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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)				
DANVILLE													
31-33	Manufacturing	-	25	17	h	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
EDGEWOOD													
31-33	Manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
ELIZABETHTOWN													
31-33	Manufacturing	2	62	30	i	D	D	D	D	D	D	D	D
325	Chemical manufacturing	5	7	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	5	4	f	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	16	6	f	D	D	D	D	D	D	D	3 641
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
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
33639	Other motor vehicle parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
ERLANGER													
31-33	Manufacturing	4	49	17	1 802	71 656	1 180	2 385	35 882	230 329	198 482	430 622	50 131
311	Food manufacturing	5	5	3	643	31 344	382	801	12 421	132 223	100 869	232 064	D
FLORENCE													
31-33	Manufacturing	1	42	18	h	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	6	4	1 087	55 005	552	1 046	19 154	137 337	233 680	375 179	4 431
3335	Metalworking machinery manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) 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	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)				
FLORENCE—Con.													
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
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
FRANKFORT													
31-33	Manufacturing	-	15	5	629	22 852	440	865	13 455	145 772	95 465	223 782	D
FRANKLIN													
31-33	Manufacturing	-	25	13	1 581	55 988	1 240	1 996	37 367	169 582	122 948	290 825	12 647
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
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
GEORGETOWN													
31-33	Manufacturing	-	24	10	i	D	D	D	D	D	D	D	99 170
332	Fabricated metal product manufacturing	-	12	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	3	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
3363	Motor vehicle parts manufacturing	1	2	2	f	D	D	D	D	D	D	D	D
GLASGOW													
31-33	Manufacturing	-	35	21	4 893	168 619	4 072	8 141	128 251	498 685	474 340	965 947	D
323	Printing and related support activities	-	3	2	g	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	3	2	g	D	D	D	D	D	D	D	D
32311	Printing	-	2	2	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	2	2	g	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	-	1	1	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	1	1	f	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries	-	1	1	f	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
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
33635	Motor vehicle transmission and power train parts manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
GREENVILLE													
31-33	Manufacturing	-	8	3	566	10 809	524	954	9 401	25 984	14 848	40 294	195

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)				
HARRODSBURG													
31-33	Manufacturing	-	9	4	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing ..	-	1	1	f	D	D	D	D	D	D	D	D
HENDERSON													
31-33	Manufacturing	-	68	31	5 511	195 166	4 630	9 493	144 748	552 365	935 257	1 481 149	D
326	Plastics and rubber products manufacturing	-	7	5	f	D	D	D	D	D	D	D	4 001
3261	Plastics product manufacturing ..	-	7	5	f	D	D	D	D	D	D	D	4 001
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
331	Primary metal manufacturing	-	4	3	h	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	1	1	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	1	1	f	D	D	D	D	D	D	D	D
331312	Primary aluminum production	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries	-	2	2	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	2	2	g	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	5	2	f	D	D	D	D	D	D	D	D
HOPKINSVILLE													
31-33	Manufacturing	-	49	27	5 051	165 009	3 980	8 488	115 792	398 681	646 142	1 038 903	D
315	Apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	12	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	7	6	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	6	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
JEFFERSONTOWN													
31-33	Manufacturing	2	105	47	4 581	148 487	3 111	5 938	80 759	420 047	309 554	738 224	23 195
323	Printing and related support activities	1	22	7	f	D	D	D	D	D	D	D	4 772
3231	Printing and related support activities	1	22	7	f	D	D	D	D	D	D	D	4 772
32311	Printing	1	22	7	f	D	D	D	D	D	D	D	4 772
332	Fabricated metal product manufacturing	3	16	11	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	17	10	g	D	D	D	D	D	D	D	3 433
LAWRENCEBURG													
31-33	Manufacturing	-	11	3	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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)				
LEBANON													
31-33	Manufacturing	-	21	12	2 157	62 853	1 805	3 477	44 046	179 640	153 631	332 438	D
332	Fabricated metal product manufacturing	-	6	2	f	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	-	3	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
LEITCHFIELD													
31-33	Manufacturing	1	13	12	g	D	D	D	D	D	D	D	D
LEXINGTON-FAYETTE													
31-33	Manufacturing	-	265	92	14 025	652 868	7 651	14 471	245 002	2 964 854	1 947 970	4 927 670	103 171
322	Paper manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
3222	Converted paper product manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
32221	Paperboard container manufacturing	-	4	4	f	D	D	D	D	D	D	D	1 540
323	Printing and related support activities	1	53	14	961	31 981	602	1 183	18 588	67 289	24 316	91 536	D
3231	Printing and related support activities	1	53	14	961	31 981	602	1 183	18 588	67 289	24 316	91 536	D
32311	Printing	1	47	13	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	12	6	731	26 306	617	1 278	20 391	53 077	28 250	79 641	10 766
332	Fabricated metal product manufacturing	2	39	17	1 295	49 546	877	1 714	26 293	116 515	71 982	188 376	3 839
3323	Architectural and structural metals manufacturing	6	15	8	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	16	7	2 341	94 708	1 742	3 284	63 018	250 852	225 983	479 809	D
3331	Agriculture, construction, and mining machinery manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
33312	Construction machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
333120	Construction machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	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	g	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	14	9	h	D	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	-	4	4	h	D	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	-	4	4	h	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	-	3	3	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	5	1	f	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing ...	-	2	1	f	D	D	D	D	D	D	D	D

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)				
LEXINGTON-FAYETTE—Con.													
336	Transportation equipment manufacturing	—	8	6	f	D	D	D	D	D	D	D	9 235
3363	Motor vehicle parts manufacturing	—	6	6	f	D	D	D	D	D	D	D	D
LONDON													
31-33	Manufacturing	4	25	10	h	D	D	D	D	D	D	D	D
311	Food manufacturing	—	5	4	g	D	D	D	D	D	D	D	2 473
3118	Bakeries and tortilla manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	2	2	g	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
LOUISVILLE													
31-33	Manufacturing	—	420	177	24 321	1 053 619	18 316	37 165	724 525	3 322 119	6 846 025	10 199 833	159 465
311	Food manufacturing	—	31	16	2 689	80 014	2 017	4 012	56 077	319 127	513 226	837 729	18 983
3116	Animal slaughtering and processing	—	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	—	2	1	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	—	2	1	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	7	5	676	19 411	523	864	13 425	139 529	59 233	197 447	D
31191	Snack food manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	—	5	4	f	D	D	D	D	D	D	D	4 417
322	Paper manufacturing	—	15	10	1 226	46 477	908	1 824	26 727	126 489	176 131	303 463	4 717
3222	Converted paper product manufacturing	—	15	10	1 226	46 477	908	1 824	26 727	126 489	176 131	303 463	4 717
32221	Paperboard container manufacturing	1	7	6	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	1	7	6	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	68	21	g	D	D	D	D	D	D	D	7 271
3231	Printing and related support activities	1	68	21	g	D	D	D	D	D	D	D	7 271
32311	Printing	1	65	20	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	26	10	g	D	D	D	D	D	D	D	5 327
325	Chemical manufacturing	1	35	16	1 544	81 183	928	1 855	43 623	272 307	271 876	556 774	D
3251	Basic chemical manufacturing	2	9	5	791	49 150	522	1 121	29 519	82 596	98 694	192 499	D
32518	Other basic inorganic chemical manufacturing	2	3	2	f	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	2	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	13	8	f	D	D	D	D	D	D	D	907
32551	Paint and coating manufacturing	—	13	8	f	D	D	D	D	D	D	D	907
325510	Paint and coating manufacturing	—	13	8	f	D	D	D	D	D	D	D	907
327	Nonmetallic mineral product manufacturing	2	20	7	f	D	D	D	D	D	D	D	D

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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)
LOUISVILLE—Con.													
332	Fabricated metal product manufacturing	1	80	38	3 308	125 346	2 421	4 725	78 092	422 042	425 567	833 964	11 722
3321	Forging and stamping.....	3	6	5	f	D	D	D	D	D	D	D	6 854
33211	Forging and stamping.....	3	6	5	f	D	D	D	D	D	D	D	6 854
3323	Architectural and structural metals manufacturing	4	25	9	f	D	D	D	D	D	D	D	979
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	22	11	f	D	D	D	D	D	D	D	D
33271	Machine shops	3	21	11	f	D	D	D	D	D	D	D	1 150
332710	Machine shops	3	21	11	f	D	D	D	D	D	D	D	1 150
3329	Other fabricated metal product manufacturing	—	13	6	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	13	6	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	10	5	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	30	14	g	D	D	D	D	D	D	D	3 540
335	Electrical equipment, appliance, and component manufacturing	—	5	5	h	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
33522	Major appliance manufacturing.	—	3	3	h	D	D	D	D	D	D	D	D
335222	Household refrigerator and home freezer manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance manufacturing ...	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	12	7	h	D	D	D	D	D	D	D	32 759
3361	Motor vehicle manufacturing.....	—	3	1	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	3	1	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	1	h	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	33	10	904	29 046	654	1 327	17 176	66 200	44 179	110 621	D
339	Miscellaneous manufacturing	1	43	14	1 194	46 444	771	1 402	22 962	77 360	40 488	118 389	17 539
3399	Other miscellaneous manufacturing	2	31	8	796	31 453	476	935	13 717	46 446	28 552	75 166	16 606
MADISONVILLE													
31-33	Manufacturing	—	30	14	2 432	98 977	1 909	3 635	72 564	222 776	411 787	640 475	D
336	Transportation equipment manufacturing	—	3	2	g	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
MAYSVILLE													
31-33	Manufacturing	—	16	11	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
MIDDLESBOROUGH													
31-33	Manufacturing	—	11	6	609	19 186	419	889	11 082	67 669	67 063	134 525	D

See footnotes at end of table.

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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)
MONTICELLO													
31-33	Manufacturing	-	21	7	g	D	D	D	D	D	D	13 139	
321	Wood product manufacturing	-	7	3	f	D	D	D	D	D	D	D	
3219	Other wood product manufacturing	-	5	3	f	D	D	D	D	D	D	D	
32191	Millwork	-	3	3	574	11 997	537	1 001	10 487	22 602	30 678	52 767	D
MORGANTOWN													
31-33	Manufacturing	-	9	3	820	25 916	713	1 489	21 673	66 372	32 050	100 389	D
MOUNT STERLING													
31-33	Manufacturing	-	14	9	2 285	55 540	1 858	3 448	34 393	198 114	154 783	353 375	8 154
311	Food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	-	1	1	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
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
MOUNT VERNON													
31-33	Manufacturing	6	8	3	f	D	D	D	D	D	D	D	D
MURRAY													
31-33	Manufacturing	-	18	6	2 054	61 578	1 824	3 295	46 855	123 889	323 423	468 025	D
311	Food manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
NEWPORT													
31-33	Manufacturing	-	26	11	966	41 015	514	1 003	20 092	99 566	106 166	205 879	10 619
NICHOLASVILLE													
31-33	Manufacturing	-	32	15	1 997	65 564	1 598	3 112	44 252	301 710	438 630	739 613	26 559
OWENSBORO													
31-33	Manufacturing	-	78	38	4 626	151 106	3 516	6 534	101 143	643 555	1 020 026	1 633 825	D
311	Food manufacturing	-	14	6	g	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
332	Fabricated metal product manufacturing	3	17	10	670	21 772	491	1 060	15 165	39 538	21 587	62 430	6 498
PADUCAH													
31-33	Manufacturing	1	34	14	f	D	D	D	D	D	D	D	D
PARIS													
31-33	Manufacturing	1	15	8	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)				
PRINCETON													
31-33	Manufacturing	-	9	3	733	24 775	587	1 140	16 554	87 605	58 183	145 139	D
311	Food manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
RICHMOND													
31-33	Manufacturing	2	30	15	g	D	D	D	D	D	D	D	D
RUSSELLVILLE													
31-33	Manufacturing	1	24	8	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	1	2	2	f	D	D	D	D	D	D	D	D
SCOTTSVILLE													
31-33	Manufacturing	-	7	3	1 230	39 971	1 122	2 260	34 931	76 578	75 353	154 523	D
335	Electrical equipment, appliance, and component manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
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
SHELBYVILLE													
31-33	Manufacturing	-	11	7	1 244	44 697	889	1 782	29 800	133 967	177 487	313 199	16 997
SHEPHERDSVILLE													
31-33	Manufacturing	-	14	4	g	D	D	D	D	D	D	D	3 221
323	Printing and related support activities	-	2	2	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	2	2	f	D	D	D	D	D	D	D	D
32311	Printing	-	2	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	2	2	f	D	D	D	D	D	D	D	D
SHIVELY													
31-33	Manufacturing	4	19	10	1 220	41 913	962	2 037	30 553	208 292	123 046	332 500	7 481
311	Food manufacturing	6	3	2	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
SOMERSET													
31-33	Manufacturing	1	44	13	1 640	45 712	1 282	2 556	31 350	123 165	149 031	270 608	7 256
SPRINGFIELD													
31-33	Manufacturing	4	12	9	868	26 181	702	1 505	19 044	80 481	126 371	208 654	17 319
STANFORD													
31-33	Manufacturing	1	9	4	f	D	D	D	D	D	D	D	D
TOMPKINSVILLE													
31-33	Manufacturing	-	10	5	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)				
VERSAILLES													
31-33	Manufacturing	-	16	7	h	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	2	1	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	-	2	1	f	D	D	D	D	D	D	D	D
32311	Printing	-	2	1	f	D	D	D	D	D	D	D	D
323117	Books printing	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
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
WINCHESTER													
31-33	Manufacturing	-	36	25	3 496	111 394	2 715	5 740	73 654	387 836	387 466	779 376	39 362
332	Fabricated metal product manufacturing	-	10	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF BALLARD COUNTY													
31-33	Manufacturing	-	12	3	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF BOONE COUNTY													
31-33	Manufacturing	1	120	58	7 892	298 384	5 888	12 423	191 212	885 071	949 117	1 832 146	54 993
311	Food manufacturing	-	2	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	-	6	4	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	6	4	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
322224	Uncoated paper and multiwall bag manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	-	5	4	916	46 403	691	1 460	30 671	87 490	63 327	150 003	2 179
3231	Printing and related support activities	-	5	4	916	46 403	691	1 460	30 671	87 490	63 327	150 003	2 179
32311	Printing	-	4	3	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	7	11	6	g	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing ..	7	11	6	g	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	9	3	1	f	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	29	11	927	38 931	592	1 245	19 770	98 707	107 427	204 147	D
333	Machinery manufacturing	-	18	6	764	30 137	395	740	13 448	70 749	65 522	138 026	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 BOYD COUNTY													
31-33	Manufacturing	-	17	7	g	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF BOYLE COUNTY													
31-33	Manufacturing	-	5	2	1 084	37 695	937	2 061	30 983	86 570	59 008	143 548	2 292
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
BALANCE OF BULLITT COUNTY													
31-33	Manufacturing	-	22	5	g	D	D	D	D	D	D	D	7 694
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
BALANCE OF CAMPBELL COUNTY													
31-33	Manufacturing	-	8	2	f	D	D	D	D	D	D	D	D
311	Food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF CARROLL COUNTY													
31-33	Manufacturing	1	9	6	2 058	106 418	1 472	3 219	69 613	463 224	870 235	1 283 284	D
332	Fabricated metal product manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	-	1	1	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	-	1	1	f	D	D	D	D	D	D	D	D
332811	Metal heat treating	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF CLARK COUNTY													
31-33	Manufacturing	-	13	7	678	19 250	598	1 193	15 452	60 592	111 653	179 884	1 007
BALANCE OF CLINTON COUNTY													
31-33	Manufacturing	-	18	8	1 897	40 210	1 689	3 949	34 815	275 023	278 229	551 699	2 315
311	Food manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF DAVIESS COUNTY													
31-33	Manufacturing	-	33	9	1 689	73 711	1 210	2 417	47 802	616 555	215 159	833 469	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 FRANKLIN COUNTY													
31-33	Manufacturing	1	32	13	2 307	81 138	1 788	3 521	55 030	148 019	298 033	445 826	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
332	Fabricated metal product manufacturing	-	12	5	f	D	D	D	D	D	D	D	4 982
336	Transportation equipment manufacturing	2	6	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	2	5	4	g	D	D	D	D	D	D	D	D
BALANCE OF GRANT COUNTY													
31-33	Manufacturing	-	15	3	f	D	D	D	D	D	D	D	D
BALANCE OF GRAVES COUNTY													
31-33	Manufacturing	-	40	9	2 571	82 392	2 008	4 497	65 536	261 206	237 427	514 272	23 139
311	Food manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	-	4	1	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	2	1	g	D	D	D	D	D	D	D	D
32621	Tire manufacturing	-	2	1	g	D	D	D	D	D	D	D	D
326211	Tire manufacturing (except retreading)	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF HANCOCK COUNTY													
31-33	Manufacturing	-	20	9	h	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	4	4	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	4	4	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	4	4	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production	-	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF HART COUNTY													
31-33	Manufacturing	-	15	7	1 680	38 448	1 538	2 486	34 303	116 105	141 745	256 279	16 388
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
32614	Polystyrene foam product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
326140	Polystyrene foam product manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF HENDERSON COUNTY													
31-33	Manufacturing	-	17	12	1 779	51 562	1 496	3 043	38 793	217 840	93 488	313 500	D
311	Food manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	g	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF HENRY COUNTY													
31-33	Manufacturing	1	10	6	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 JACKSON COUNTY													
31-33	Manufacturing	-	16	5	1 111	20 457	879	1 270	15 788	53 180	102 779	155 565	1 450
333	Machinery manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF JEFFERSON COUNTY													
31-33	Manufacturing	-	277	117	18 713	963 800	14 267	28 978	703 691	1 659 501	8 333 612	9 946 525	116 209
311	Food manufacturing	-	12	5	f	D	D	D	D	D	D	D	10 724
322	Paper manufacturing	-	13	12	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	13	12	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	7	7	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	-	6	6	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	3	27	6	f	D	D	D	D	D	D	D	D
3231	Printing and related support activities	3	27	6	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	21	17	2 699	178 589	1 714	3 549	96 260	580 406	1 143 249	1 702 442	43 171
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	-	10	9	2 035	146 596	1 301	2 773	77 100	471 885	950 118	1 412 994	D
32521	Resin and synthetic rubber manufacturing	-	10	9	2 035	146 596	1 301	2 773	77 100	471 885	950 118	1 412 994	D
325211	Plastics material and resin manufacturing	-	7	6	g	D	D	D	D	D	D	D	D
325212	Synthetic rubber manufacturing	-	3	3	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	13	9	g	D	D	D	D	D	D	D	2 615
3261	Plastics product manufacturing ..	2	12	9	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	9	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	8	7	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	15	8	f	D	D	D	D	D	D	D	3 153
331	Primary metal manufacturing	-	7	6	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	4	4	f	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	-	4	4	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	62	23	g	D	D	D	D	D	D	D	8 797
3324	Boiler, tank, and shipping container manufacturing	-	4	3	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	4	32	13	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	5	14	5	f	D	D	D	D	D	D	D	1 773

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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 JEFFERSON COUNTY—Con.													
336	Transportation equipment manufacturing	-	12	6	i	D	D	D	D	D	D	D	31 384
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
336112	Light truck and utility vehicle manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	9	5	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
BALANCE OF LARUE COUNTY													
31-33	Manufacturing	2	16	6	f	D	D	D	D	D	D	D	D
BALANCE OF LAUREL COUNTY													
31-33	Manufacturing	3	25	9	f	D	D	D	D	D	D	D	D
BALANCE OF LOGAN COUNTY													
31-33	Manufacturing	-	24	11	h	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	-	2	2	g	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing	-	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	-	2	2	g	D	D	D	D	D	D	D	D
BALANCE OF MCCrackEN COUNTY													
31-33	Manufacturing	-	21	9	1 969	108 976	1 053	2 012	51 380	298 711	401 226	701 225	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 MADISON COUNTY													
31-33	Manufacturing	-	16	6	723	28 543	544	1 102	18 352	218 738	173 126	390 839	D
BALANCE OF MERCER COUNTY													
31-33	Manufacturing	-	7	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
BALANCE OF METCALFE COUNTY													
31-33	Manufacturing	-	12	5	671	18 548	563	1 171	14 963	47 833	120 175	171 163	D
BALANCE OF MONTGOMERY COUNTY													
31-33	Manufacturing	-	22	10	f	D	D	D	D	D	D	D	D
BALANCE OF NELSON COUNTY													
31-33	Manufacturing	3	30	10	f	D	D	D	D	D	D	D	4 254
326	Plastics and rubber products manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product manufacturing	9	3	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)				
BALANCE OF OHIO COUNTY													
31-33	Manufacturing	-	17	4	1 304	28 830	1 122	2 147	23 652	123 724	40 755	164 370	2 912
311	Food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	-	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF OLDHAM COUNTY													
31-33	Manufacturing	1	37	11	g	D	D	D	D	D	D	D	D
311	Food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
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
BALANCE OF PENDLETON COUNTY													
31-33	Manufacturing	1	12	7	574	18 958	412	840	12 294	44 839	43 741	88 270	D
BALANCE OF PERRY COUNTY													
31-33	Manufacturing	-	7	5	677	20 248	602	1 208	16 490	52 811	77 501	130 912	D
BALANCE OF PIKE COUNTY													
31-33	Manufacturing	-	19	2	f	D	D	D	D	D	D	D	D
BALANCE OF PULASKI COUNTY													
31-33	Manufacturing	1	48	22	2 324	61 472	1 979	3 629	47 213	280 994	205 561	489 790	9 286
321	Wood product manufacturing	5	11	7	639	13 642	595	1 105	11 958	56 689	28 171	82 837	D
3219	Other wood product manufacturing	5	9	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF ROWAN COUNTY													
31-33	Manufacturing	1	10	5	965	27 512	785	1 825	21 771	64 732	63 365	127 822	4 855
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
BALANCE OF RUSSELL COUNTY													
31-33	Manufacturing	-	28	8	1 194	31 363	1 026	2 161	24 093	68 183	173 861	286 362	12 429
313	Textile mills	-	1	1	f	D	D	D	D	D	D	D	D
3132	Fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
31324	Knit fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
313241	Weft knit fabric mills	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF SCOTT COUNTY													
31-33	Manufacturing	-	17	7	690	23 946	491	870	15 245	56 309	36 237	102 737	4 430

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 SHELBY COUNTY													
31-33	Manufacturing	-	31	16	3 449	138 104	2 793	5 985	101 688	374 930	700 565	1 076 906	16 804
332	Fabricated metal product manufacturing	-	6	4	1 059	35 655	903	2 051	27 922	69 270	52 884	121 029	D
3325	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	3	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
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 SIMPSON COUNTY													
31-33	Manufacturing	-	11	6	1 847	67 291	1 516	2 746	50 723	266 874	226 328	495 759	24 521
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
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
323111	Commercial gravure printing ..	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF TAYLOR COUNTY													
31-33	Manufacturing	-	21	3	879	23 662	727	1 203	13 965	53 099	30 751	83 524	D
321	Wood product manufacturing	-	6	1	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
32191	Millwork	-	3	1	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	-	2	1	f	D	D	D	D	D	D	D	D
BALANCE OF TODD COUNTY													
31-33	Manufacturing	-	21	8	1 120	25 290	1 049	1 899	22 045	51 730	115 586	167 536	1 138
315	Apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
BALANCE OF TRIGG COUNTY													
31-33	Manufacturing	-	20	8	1 204	32 377	986	1 775	24 482	115 985	88 529	203 908	8 070
336	Transportation equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping ..	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF UNION COUNTY													
31-33	Manufacturing	-	12	4	859	24 963	688	1 354	18 107	90 848	72 808	156 403	2 049
336	Transportation equipment manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

Table 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)				
31-33	BALANCE OF WAYNE COUNTY Manufacturing	-	13	8	f	D	D	D	D	D	D	D	1 449
31-33	BALANCE OF WHITLEY COUNTY Manufacturing	9	13	5	f	D	D	D	D	D	D	D	2 540

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
KENTUCKY	
Companies ¹	N
All establishments ²	4 283
Establishments with 1 to 19 employees	2 614
Establishments with 20 to 99 employees	1 044
Establishments with 100 employees or more	625
All employees ³	263 202
Total compensation	13 075 930
Annual payroll	10 077 029
Total fringe benefits	2 998 901
Production workers, average for year	201 586
Production workers on March 12	201 749
Production workers on May 12	202 542
Production workers on August 12	201 263
Production workers on November 12	200 423
Production worker hours	403 166
Production worker wages	6 853 829
Total cost of materials	54 416 995
Materials, parts, containers, packaging, etc., used	49 440 447
Resales	2 540 956
Purchased fuels	571 009
Purchased electricity	1 233 532
Contract work	631 051
Quantity of electricity purchased for heat and power	38 983 352
Quantity of electricity generated less sold for heat and power	-216 046
Total value of shipments	88 513 497
Value of resales	3 881 065
Value added	34 075 367
Total inventories, beginning of year	7 660 872
Finished goods inventories	3 104 067
Work-in-process inventories	1 681 056
Materials and supplies inventories	2 875 749
Total inventories, end of year	7 588 505
Finished goods inventories	3 087 138
Work-in-process inventories	1 668 649
Materials and supplies inventories	2 832 718
Gross value of depreciable assets (acquisition costs) at beginning of year	34 248 427
Total capital expenditures (new and used)	2 562 414
Buildings and other structures (new and used)	367 824
Machinery and equipment (new and used)	2 194 590
Automobiles, trucks, etc., for highway use	42 047
Computers and peripheral data processing equipment	100 243
All other expenditures for machinery and equipment	2 052 300
Total retirements	1 471 772
Gross value of depreciable assets at end of year	35 339 069
Depreciation charges during year	2 239 372
Total rental payments	543 204
Buildings and other structures	242 080
Machinery and equipment	301 124

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:

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

31121 FLOUR MILLING AND MALT MANUFACTURING

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

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

311211 FLOUR MILLING

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

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

311212 RICE MILLING

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

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

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

311213 MALT MANUFACTURING

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

31122 STARCH AND VEGETABLE FATS AND OILS MANUFACTURING

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

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

311221 WET CORN MILLING

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

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;

-
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;
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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 make castings. Establishments in this industry purchase iron and steel made in other establishments.

331511 IRON FOUNDRIES

This U.S. industry comprises establishments primarily engaged in pouring molten pig iron or iron alloys into molds to manufacture castings (e.g., cast iron manhole covers, cast iron pipe, cast iron skillets). Establishments in this industry purchase iron made in other establishments.

331512 STEEL INVESTMENT FOUNDRIES

This U.S. industry comprises establishments primarily engaged in manufacturing steel investment castings. Investment molds are formed by covering a wax shape with a refractory slurry. After the refractory slurry hardens, the wax is melted, leaving a seamless mold. Investment molds provide highly detailed, consistent castings. Establishments in this industry purchase steel made in other establishments.

331513 STEEL FOUNDRIES (EXCEPT INVESTMENT)

This U.S. industry comprises establishments primarily engaged in manufacturing steel castings (except steel investment castings). Establishments in this industry purchase steel made in other establishments.

33152 NONFERROUS METAL FOUNDRIES

This industry comprises establishments primarily engaged in pouring and/or introducing molten nonferrous metal, under high pressure, into metal molds or dies to manufacture castings. Establishments in this industry purchase nonferrous metals made in other establishments.

331521 ALUMINUM DIE-CASTING FOUNDRIES

This U.S. industry comprises establishments primarily engaged in introducing molten aluminum, under high pressure, into molds or dies to make aluminum die-castings. Establishments in this industry purchase aluminum made in other establishments.

331522 NONFERROUS (EXCEPT ALUMINUM) DIE-CASTING FOUNDRIES

This U.S. industry comprises establishments primarily engaged in introducing molten nonferrous metal (except aluminum), under high pressure, into molds to make nonferrous metal die-castings. Establishments in this industry purchase nonferrous metals made in other establishments.

331524 ALUMINUM FOUNDRIES (EXCEPT DIE-CASTING)

This U.S. industry comprises establishments primarily engaged in pouring molten aluminum into molds to manufacture aluminum castings. Establishments in this industry purchase aluminum made in other establishments.

331525 COPPER FOUNDRIES (EXCEPT DIE-CASTING)

This U.S. industry comprises establishments primarily engaged in pouring molten copper into molds to manufacture copper castings. Establishments in this industry purchase copper made in other establishments.

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

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

334111 ELECTRONIC COMPUTER MANUFACTURING

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

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

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

334112 COMPUTER STORAGE DEVICE MANUFACTURING

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

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

KENTUCKY

Corbin is in Knox and Whitley Counties.

Dawson Springs is in Caldwell and Hopkins Counties; it annexed into Caldwell County in April 1998. This change deletes territory from the Balance of Caldwell County.

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

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

Indian Hills is now tabulated separately due to a population increase. This change deletes territory from the Balance of Jefferson County.

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

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

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

Pioneer Village is now tabulated separately due to a population increase. This change deletes territory from the Balance of Bullitt County.

Prospect is in Jefferson and Oldham Counties; it annexed into Oldham County in June 1996, but this change was not submitted to the Census Bureau until September 1998. This change deletes territory from the Balance of Oldham County.

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

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

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

Williamstown is in Grant and Pendleton Counties.

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

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

Balance of Bullitt County no longer includes Pioneer Village, which is tabulated separately due to a population increase.

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

Balance of Caldwell County lost territory due to the annexation of Dawson Springs into the county.

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

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

Balance of Jefferson County no longer includes Indian Hills, which is tabulated separately due to a population increase.

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

Balance of Oldham County lost territory due to the annexation of Prospect into the county.

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

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

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

CORBIN-LONDON, KY COMBINED STATISTICAL AREA

Corbin, KY Micropolitan Statistical Area

Whitley County, KY

London, KY Micropolitan Statistical Area

Laurel County, KY

LEXINGTON-FAYETTE--FRANKFORT--RICHMOND, KY COMBINED STATISTICAL AREA

Frankfort, KY Micropolitan Statistical Area

Anderson County, KY

Franklin County, KY

Lexington-Fayette, KY Metropolitan Statistical Area

Bourbon County, KY

Clark County, KY

Fayette County, KY

Jessamine County, KY

Scott County, KY

Woodford County, KY

Mount Sterling, KY Micropolitan Statistical Area

Bath County, KY

Menifee County, KY

Montgomery County, KY

Richmond, KY Micropolitan Statistical Area

Madison County, KY

Rockcastle County, KY

LOUISVILLE-ELIZABETHTOWN-SCOTTSBURG, KY-IN COMBINED STATISTICAL AREA

Elizabethtown, KY Metropolitan Statistical Area

Hardin County, KY

Larue County, KY

Louisville, KY-IN Metropolitan Statistical Area

Clark County, IN

Floyd County, IN

Harrison County, IN

Washington County, IN

Bullitt County, KY

Henry County, KY

Jefferson County, KY

Meade County, KY

Nelson County, KY

Oldham County, KY

Shelby County, KY

Spencer County, KY

Trimble County, KY

Scottsburg, IN Micropolitan Statistical Area

Scott County, IN

PADUCAH-MAYFIELD, KY-IL COMBINED STATISTICAL AREA

Mayfield, KY Micropolitan Statistical Area

Graves County, KY

Paducah, KY-IL Micropolitan Statistical Area

Massac County, IL

Ballard County, KY

Livingston County, KY

McCracken County, KY

BOWLING GREEN, KY METROPOLITAN STATISTICAL AREA

Edmonson County, KY

Warren County, KY

CAMPBELLSVILLE, KY MICROPOLITAN STATISTICAL AREA

Taylor County, KY

CENTRAL CITY, KY MICROPOLITAN STATISTICAL AREA

Muhlenberg County, KY

CLARKSVILLE, TN-KY METROPOLITAN STATISTICAL AREA

Christian County, KY

Trigg County, KY

Montgomery County, TN

Stewart County, TN

DANVILLE, KY MICROPOLITAN STATISTICAL AREA

Boyle County, KY

Lincoln County, KY

EVANSVILLE, IN-KY METROPOLITAN STATISTICAL AREA

Gibson County, IN

Posey County, IN

Vanderburgh County, IN

Warrick County, IN

Henderson County, KY

Webster County, KY

GLASGOW, KY MICROPOLITAN STATISTICAL AREA

Barren County, KY

Metcalfe County, KY

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

Boyd County, KY

Greenup County, KY

Lawrence County, OH

Cabell County, WV

Wayne County, WV

MADISONVILLE, KY MICROPOLITAN STATISTICAL AREA

Hopkins County, KY

MAYSVILLE, KY MICROPOLITAN STATISTICAL AREA

Lewis County, KY

Mason County, KY

MIDDLESBOROUGH, KY MICROPOLITAN STATISTICAL AREA

Bell County, KY

MURRAY, KY MICROPOLITAN STATISTICAL AREA

Calloway County, KY

OWENSBORO, KY METROPOLITAN STATISTICAL AREA

Daviess County, KY

Hancock County, KY

McLean County, KY

SOMERSET, KY MICROPOLITAN STATISTICAL AREA

Pulaski County, KY

UNION CITY, TN-KY MICROPOLITAN STATISTICAL AREA

Fulton County, KY

Obion County, TN

