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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	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)				
CONNECTICUT													
31-33	Manufacturing	1	'5 384	'1 685	'214 910	'9 877 987	'125 928	'251 183	'4 529 593	'27 673 466	'17 016 025	'45 053 345	'1 448 543
311	Food manufacturing	2	312	74	9 682	315 564	6 153	11 941	180 334	1 519 833	963 980	2 474 730	40 626
3111	Animal food manufacturing	3	6	3	119	5 296	62	138	2 253	20 885	34 688	55 735	655
31111	Animal food manufacturing	3	6	3	119	5 296	62	138	2 253	20 885	34 688	55 735	655
3113	Sugar and confectionery product manufacturing	—	8	5	630	22 916	515	1 001	17 149	125 649	59 017	184 449	D
31133	Confectionery manufacturing from purchased chocolate	—	4	3	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	—	4	3	e	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	—	3	2	c	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	—	3	2	c	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	2	12	7	570	17 277	443	876	10 556	70 489	52 779	123 465	2 909
31141	Frozen food manufacturing	4	8	4	380	10 638	318	618	7 388	45 067	20 226	65 500	D
311412	Frozen specialty food manufacturing	3	6	3	e	D	D	D	D	D	D	D	1 320
31142	Fruit and vegetable canning, pickling, and drying	—	4	3	190	6 639	125	258	3 168	25 422	32 553	57 965	D
311421	Fruit and vegetable canning	—	3	2	c	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	1	25	7	1 018	36 760	559	1 171	15 782	200 853	235 868	437 837	D
31151	Dairy product (except frozen) manufacturing	2	13	5	709	28 273	348	738	11 284	151 680	188 338	339 869	D
311511	Fluid milk manufacturing	—	5	3	515	21 181	189	417	6 021	78 851	132 254	210 848	D
311513	Cheese manufacturing	9	4	1	c	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	1	12	2	309	8 487	211	433	4 498	49 173	47 530	97 968	1 439
311520	Ice cream and frozen dessert manufacturing	1	12	2	309	8 487	211	433	4 498	49 173	47 530	97 968	1 439
3116	Animal slaughtering and processing	5	29	12	809	26 007	595	1 156	17 080	56 112	109 827	166 087	3 382
31161	Animal slaughtering and processing	5	29	12	809	26 007	595	1 156	17 080	56 112	109 827	166 087	3 382
311611	Animal (except poultry) slaughtering	—	8	3	c	D	D	D	D	D	D	D	365
311612	Meat processed from carcasses	6	20	8	582	19 184	409	900	11 987	50 616	93 148	144 009	D
3117	Seafood product preparation and packaging	9	2	1	c	D	D	D	D	D	D	D	D
31171	Seafood product preparation and packaging	9	2	1	c	D	D	D	D	D	D	D	D
311712	Fresh and frozen seafood processing	9	2	1	c	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	1	189	27	4 205	126 558	2 266	4 701	70 443	625 889	221 622	848 257	9 928
31181	Bread and bakery product manufacturing	1	184	24	3 809	111 413	1 989	4 101	60 451	589 078	175 721	764 366	8 658
311811	Retail bakeries	3	139	12	1 287	19 746	531	804	9 037	40 218	19 002	59 205	1 830
311812	Commercial bakeries	1	39	10	2 374	86 256	1 340	3 068	48 372	532 759	146 846	679 440	6 097
311813	Frozen cakes, pies, and other pastries manufacturing	7	6	2	148	5 411	118	229	3 042	16 101	9 873	25 721	731
31182	Cookie, cracker, and pasta manufacturing	4	5	3	396	15 145	277	600	9 992	36 811	45 901	83 891	1 270
311821	Cookie and cracker manufacturing	9	1	1	c	D	D	D	D	D	D	D	D
311822	Flour mixes and dough manufacturing from purchased flour	—	1	1	c	D	D	D	D	D	D	D	D
3119	Other food manufacturing	2	38	10	2 142	74 440	1 559	2 599	42 751	411 103	228 090	627 958	9 969
31191	Snack food manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing	1	5	4	e	D	D	D	D	D	D	D	1 921
311920	Coffee and tea manufacturing	1	5	4	e	D	D	D	D	D	D	D	1 921
31194	Seasoning and dressing manufacturing	1	6	1	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	1	4	1	f	D	D	D	D	D	D	D	D
31199	All other food manufacturing	9	23	3	465	17 222	360	675	11 936	65 099	76 830	142 086	2 829
311991	Perishable prepared food manufacturing	4	8	1	152	4 909	119	239	3 044	9 638	9 505	19 312	234
311999	All other miscellaneous food manufacturing	9	15	2	313	12 313	241	436	8 892	55 461	67 325	122 774	2 595
312	Beverage and tobacco product manufacturing	8	'28	7	f	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	9	'26	6	'577	'19 223	'284	'585	'8 155	'65 188	'72 855	'137 782	'4 968
31211	Soft drink and ice manufacturing	9	'17	3	e	D	D	D	D	D	D	D	'3 445
312111	Soft drink manufacturing	9	8	2	192	6 705	101	213	3 007	17 227	54 021	71 248	2 375
312113	Ice manufacturing	8	'6	1	c	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)				
CONNECTICUT—Con.													
313	Textile mills	2	47	22	1 903	66 810	1 477	2 874	40 778	134 235	154 262	290 469	4 999
3131	Fiber, yarn, and thread mills	2	6	3	336	8 607	284	514	6 396	14 184	11 632	25 394	430
31311	Fiber, yarn, and thread mills ...	2	6	3	336	8 607	284	514	6 396	14 184	11 632	25 394	430
313111	Yarn spinning mills	3	4	2	c	D	D	D	D	D	D	D	D
313113	Thread mills	—	2	1	c	D	D	D	D	D	D	D	D
3132	Fabric mills	3	24	9	827	24 947	677	1 425	16 697	52 757	53 416	106 829	1 727
31321	Broadwoven fabric mills	8	11	3	285	8 597	239	471	6 513	17 557	18 101	37 004	685
313210	Broadwoven fabric mills	8	11	3	285	8 597	239	471	6 513	17 557	18 101	37 004	685
31322	Narrow fabric mills and schiffli machine embroidery	—	7	2	c	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	—	5	1	e	4 998	109	249	2 329	11 772	4 395	16 041	D
31323	Nonwoven fabric mills	1	3	2	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	1	3	2	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	17	10	740	33 256	516	935	17 685	67 294	89 214	158 246	2 842
31331	Textile and fabric finishing mills	1	11	5	438	18 853	316	510	10 901	31 272	50 034	82 966	1 848
313311	Broadwoven fabric finishing mills	2	8	4	e	D	D	D	D	D	D	D	D
31332	Fabric coating mills	2	6	5	302	14 403	200	425	6 784	36 022	39 180	75 280	994
313320	Fabric coating mills	2	6	5	302	14 403	200	425	6 784	36 022	39 180	75 280	994
314	Textile product mills	3	90	16	1 274	34 677	970	1 849	19 629	81 269	76 208	156 603	6 380
3141	Textile furnishings mills	4	36	5	460	10 245	370	734	6 267	20 499	19 247	39 569	536
31412	Curtain and linen mills	3	35	5	e	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills ...	1	27	2	257	5 954	193	363	3 152	11 778	10 126	21 749	D
314129	Other household textile product mills	5	8	3	c	D	D	D	D	D	D	D	194
3149	Other textile product mills	2	54	11	814	24 432	600	1 115	13 362	60 770	56 961	117 034	5 844
31491	Textile bag and canvas mills ...	2	30	5	359	10 899	274	471	6 729	23 008	22 310	45 106	5 148
314912	Canvas and related product mills	2	30	5	359	10 899	274	471	6 729	23 008	22 310	45 106	5 148
31499	All other textile product mills ...	2	24	6	455	13 533	326	644	6 633	37 762	34 651	71 928	696
314999	All other miscellaneous textile product mills	2	21	4	381	10 220	283	552	5 410	33 103	24 026	57 480	604
315	Apparel manufacturing	4	43	14	960	24 067	680	1 306	12 433	61 105	106 680	178 082	D
3152	Cut and sew apparel manufacturing	1	20	9	e	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	5	10	3	157	2 349	133	188	1 667	4 083	443	4 536	D
315212	Women's, girls', and infants' cut and sew apparel contractors	5	7	2	120	1 640	102	147	1 154	2 547	348	2 895	23
31522	Men's and boys' cut and sew apparel manufacturing	4	2	2	c	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	—	6	4	133	6 674	24	36	620	13 796	62 507	75 247	D
3159	Apparel accessories and other apparel manufacturing	8	20	4	420	10 425	313	631	6 640	38 074	35 147	84 534	D
31599	Apparel accessories and other apparel manufacturing	8	20	4	420	10 425	313	631	6 640	38 074	35 147	84 534	D
315999	Other apparel accessories and other apparel manufacturing	7	16	3	384	9 676	281	573	6 118	36 661	34 529	82 503	D
316	Leather and allied product manufacturing	—	11	3	f	D	D	D	D	D	D	D	301
3169	Other leather and allied product manufacturing	—	7	2	e	D	D	D	D	D	D	D	255
31699	Other leather and allied product manufacturing	—	7	2	e	D	D	D	D	D	D	D	255
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	3	126	21	1 786	56 697	1 408	2 512	39 429	101 328	111 434	213 067	4 358
3211	Sawmills and wood preservation ..	8	22	3	308	10 101	259	547	8 139	16 861	31 349	48 281	1 123
32111	Sawmills and wood preservation	8	22	3	308	10 101	259	547	8 139	16 861	31 349	48 281	1 123
321113	Sawmills	8	19	2	235	8 041	200	436	6 705	14 878	26 660	41 578	D
3212	Veneer, plywood, and engineered wood product manufacturing	1	4	3	167	5 195	121	205	3 130	10 000	9 966	19 991	433
32121	Veneer, plywood, and engineered wood product manufacturing	1	4	3	167	5 195	121	205	3 130	10 000	9 966	19 991	433
321214	Truss manufacturing	2	3	2	c	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)				
CONNECTICUT—Con.													
321	Wood product manufacturing—Con.												
3219	Other wood product manufacturing	2	100	15	1 311	41 401	1 028	1 760	28 160	74 467	70 119	144 795	2 802
32191	Millwork	2	58	8	758	26 033	596	904	17 386	42 394	39 444	81 738	1 571
321912	Cut stock, resawing lumber, and planing	—	4	1	c	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	3	45	6	487	16 409	400	662	11 276	24 294	29 769	54 150	D
32192	Wood container and pallet manufacturing	2	18	3	238	6 398	187	376	4 605	11 519	9 681	21 232	364
321920	Wood container and pallet manufacturing	2	18	3	238	6 398	187	376	4 605	11 519	9 681	21 232	364
32199	All other wood product manufacturing	2	24	4	315	8 970	245	480	6 169	20 554	20 994	41 825	867
321992	Prefabricated wood building manufacturing	2	8	3	156	5 056	111	231	2 943	7 272	10 363	17 841	428
321999	All other miscellaneous wood product manufacturing	1	16	1	159	3 914	134	249	3 226	13 282	10 631	23 984	439
322	Paper manufacturing	1	82	53	5 676	259 863	4 165	8 686	163 841	874 479	873 303	1 741 280	56 526
3221	Pulp, paper, and paperboard mills	—	10	8	1 984	111 186	1 481	3 086	77 212	527 837	502 223	1 026 360	36 024
32212	Paper mills	—	5	4	1 453	84 391	1 071	2 188	58 617	404 378	386 056	785 735	31 020
322121	Paper (except newsprint) mills	—	5	4	1 453	84 391	1 071	2 188	58 617	404 378	386 056	785 735	31 020
32213	Paperboard mills	—	5	4	531	26 795	410	898	18 595	123 459	116 167	240 625	5 004
322130	Paperboard mills	—	5	4	531	26 795	410	898	18 595	123 459	116 167	240 625	5 004
3222	Converted paper product manufacturing	2	72	45	3 692	148 677	2 684	5 600	86 629	346 642	371 080	714 920	20 502
32221	Paperboard container manufacturing	1	41	29	2 516	100 068	1 870	3 927	59 702	217 437	254 016	470 311	13 911
322211	Corrugated and solid fiber box manufacturing	2	26	17	1 318	57 222	899	1 935	29 750	121 220	160 172	280 527	4 867
322212	Folding paperboard box manufacturing	1	11	9	812	31 923	656	1 408	21 907	69 003	65 522	133 927	7 414
322213	Setup paperboard box manufacturing	—	2	1	c	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	3	12	6	505	25 985	296	666	12 385	64 718	59 118	121 465	4 886
322222	Coated and laminated paper manufacturing	6	7	3	293	16 380	172	386	7 805	40 182	32 910	71 031	3 174
322225	Laminated aluminum foil manufacturing for flexible packaging uses	—	2	2	c	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	3	7	4	347	12 510	253	491	7 987	32 376	32 183	65 268	1 097
322232	Envelope manufacturing	1	2	2	c	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	9	3	1	101	4 261	54	110	2 039	8 142	9 949	18 091	278
32229	Other converted paper product manufacturing	1	12	6	324	10 114	265	516	6 555	32 111	25 763	57 876	608
322299	All other converted paper product manufacturing	1	11	6	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	'557	'114	'10 560	'425 844	'7 313	'14 545	'249 475	'860 049	'473 353	'1 355 142	'34 704
3231	Printing and related support activities	2	'557	'114	'10 560	'425 844	'7 313	'14 545	'249 475	'860 049	'473 353	'1 355 142	'34 704
32311	Printing	2	'508	'101	'9 906	'396 680	'6 825	'13 626	'231 959	'808 003	'461 768	'1 291 272	'33 013
323110	Commercial lithographic printing	2	241	60	5 509	228 956	3 915	7 893	140 103	429 791	293 100	744 805	20 192
323111	Commercial gravure printing	1	6	2	127	5 376	105	224	4 043	13 030	9 936	23 238	586
323112	Commercial flexographic printing	3	14	6	352	14 496	220	459	6 569	28 479	23 512	51 398	2 647
323113	Commercial screen printing	3	54	11	969	34 289	704	1 386	19 771	66 603	32 718	99 547	1 876
323114	Quick printing	2	125	7	1 346	55 274	812	1 554	25 420	112 884	31 908	144 800	3 860
323115	Digital printing	—	13	6	705	29 506	479	1 055	20 106	76 944	19 895	96 662	1 333
323116	Manifold business forms printing	4	6	2	163	5 780	128	211	3 934	23 723	18 104	41 764	498
323119	Other commercial printing	'9	'41	'7	'678	'21 235	'417	'754	'10 780	'52 194	'29 956	'82 064	'1 863
32312	Support activities for printing	3	49	13	654	29 164	488	919	17 516	52 046	11 585	63 870	1 691
323121	Tradebinding and related work	4	11	4	145	4 587	119	240	3 202	6 846	1 590	8 439	639
323122	Prepress services	2	38	9	509	24 577	369	679	14 314	45 200	9 995	55 431	1 052
324	Petroleum and coal products manufacturing	—	38	'4	'250	'12 134	'177	'306	'7 545	59 852	111 934	172 797	1 763
3241	Petroleum and coal products manufacturing	—	38	'4	'250	'12 134	'177	'306	'7 545	59 852	111 934	172 797	1 763
32412	Asphalt paving, roofing, and saturated materials manufacturing	—	30	'3	c	D	D	D	D	D	D	D	1 340
324121	Asphalt paving mixture and block manufacturing	—	29	'2	'171	'7 923	'134	'212	'5 780	44 800	86 075	131 088	D

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
CONNECTICUT—Con.													
325	Chemical manufacturing	3	174	72	13 078	733 170	4 625	9 730	193 378	4 808 147	1 506 662	6 328 231	193 481
3251	Basic chemical manufacturing ...	—	21	12	1 121	69 027	586	1 272	31 823	177 953	136 191	318 211	11 921
32518	Other basic inorganic chemical manufacturing	—	7	3	548	35 666	255	499	15 650	58 368	35 765	95 980	4 524
325188	All other basic inorganic chemical manufacturing	—	7	3	548	35 666	255	499	15 650	58 368	35 765	95 980	4 524
32519	Other basic organic chemical manufacturing	—	7	7	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	—	6	6	412	23 803	251	607	12 185	76 729	60 183	138 674	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	14	8	758	39 432	481	1 023	23 504	148 935	246 337	398 855	6 571
32521	Resin and synthetic rubber manufacturing	—	14	8	758	39 432	481	1 023	23 504	148 935	246 337	398 855	6 571
325211	Plastics material and resin manufacturing	—	12	7	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2	9	3	160	6 564	89	171	3 270	11 947	24 334	36 257	673
32531	Fertilizer manufacturing	2	6	3	c	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	2	6	3	c	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	6	17	8	6 328	402 324	1 005	2 053	48 677	2 644 965	472 687	3 106 280	130 187
32541	Pharmaceutical and medicine manufacturing	6	17	8	6 328	402 324	1 005	2 053	48 677	2 644 965	472 687	3 106 280	130 187
325412	Pharmaceutical preparation manufacturing	5	12	7	6 266	399 836	973	1 989	47 762	2 635 728	466 519	3 091 122	D
3255	Paint, coating, and adhesive manufacturing	3	24	8	445	20 598	235	529	8 084	68 966	53 008	120 163	2 851
32551	Paint and coating manufacturing	4	14	5	220	9 797	143	338	4 811	29 004	21 872	49 284	1 958
325510	Paint and coating manufacturing	4	14	5	220	9 797	143	338	4 811	29 004	21 872	49 284	1 958
32552	Adhesive manufacturing	3	10	3	225	10 801	92	191	3 273	39 962	31 136	70 879	893
325520	Adhesive manufacturing	3	10	3	225	10 801	92	191	3 273	39 962	31 136	70 879	893
3256	Soap, cleaning compound, and toilet preparation manufacturing .	—	35	18	2 600	112 239	1 455	3 060	45 222	1 465 049	290 105	1 770 718	25 028
32561	Soap and cleaning compound manufacturing	2	16	6	460	18 672	243	488	6 965	86 534	33 244	119 758	1 090
325611	Soap and other detergent manufacturing	—	6	3	243	10 614	143	305	4 210	56 057	22 101	78 091	D
325612	Polish and other sanitation good manufacturing	6	8	3	c	D	D	D	D	D	D	D	691
32562	Toilet preparation manufacturing	—	19	12	2 140	93 567	1 212	2 572	38 257	1 378 515	256 861	1 650 960	23 938
325620	Toilet preparation manufacturing	—	19	12	2 140	93 567	1 212	2 572	38 257	1 378 515	256 861	1 650 960	23 938
3259	Other chemical product and preparation manufacturing	—	54	15	1 666	82 986	774	1 622	32 798	290 332	284 000	577 747	16 250
32591	Printing ink manufacturing	—	6	2	c	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing ...	—	6	2	c	D	D	D	D	D	D	D	D
32592	Explosives manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325920	Explosives manufacturing ...	—	3	2	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ...	—	45	11	1 070	50 363	482	998	20 122	227 968	225 668	452 070	11 435
325991	Custom compounding of purchased resins	—	18	6	498	26 131	203	418	7 722	144 427	154 031	297 950	1 922
325992	Photographic film, paper, plate, and chemical manufacturing	—	6	2	c	D	D	D	D	D	D	D	2 176
325998	All other miscellaneous chemical product and preparation manufacturing .	2	21	3	e	D	D	D	D	D	D	D	7 337
326	Plastics and rubber products manufacturing	2	224	101	9 384	329 391	7 219	14 659	210 677	838 043	673 652	1 504 521	59 148
3261	Plastics product manufacturing ..	2	193	87	8 146	284 171	6 374	12 873	182 236	719 102	608 706	1 321 196	56 264
32611	Plastics packaging materials and un laminated film and sheet manufacturing	1	29	15	1 321	59 119	914	2 015	34 385	178 769	166 771	341 560	14 008
326111	Plastics bag manufacturing ..	3	2	2	c	D	D	D	D	D	D	D	D
326112	Plastics packaging film and sheet (including laminated) manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
326113	Un laminated plastics film and sheet (except packaging) manufacturing	1	24	11	854	38 481	540	1 186	19 623	113 296	114 141	225 812	9 502
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	—	10	5	e	D	D	D	D	D	D	D	1 140
326121	Un laminated plastics profile shape manufacturing	—	9	5	253	7 439	202	438	5 075	17 117	8 745	25 822	D
32614	Polystyrene foam product manufacturing	3	4	4	174	5 548	138	289	3 712	16 259	13 021	28 442	728
326140	Polystyrene foam product manufacturing	3	4	4	174	5 548	138	289	3 712	16 259	13 021	28 442	728

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
CONNECTICUT—Con.													
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32615	Urethane and other foam product (except polystyrene) manufacturing	6	11	8	427	17 133	299	621	8 880	83 641	58 421	140 657	2 983
326150	Urethane and other foam product (except polystyrene) manufacturing	6	11	8	427	17 133	299	621	8 880	83 641	58 421	140 657	2 983
32616	Plastics bottle manufacturing ..	—	4	2	437	15 395	355	646	10 779	23 484	26 981	49 734	1 080
326160	Plastics bottle manufacturing	—	4	2	437	15 395	355	646	10 779	23 484	26 981	49 734	1 080
32619	Other plastics product manufacturing	2	125	52	i	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	2	122	52	5 409	174 807	4 372	8 663	116 479	388 970	324 364	713 716	35 753
3262	Rubber product manufacturing ...	1	31	14	1 238	45 220	845	1 786	28 441	118 941	64 946	183 325	2 884
32629	Other rubber product manufacturing	1	24	13	1 157	43 022	811	1 729	27 624	115 231	58 801	173 494	2 664
326291	Rubber product manufacturing for mechanical use	1	10	6	513	20 737	381	814	13 685	47 645	25 061	72 309	1 071
326299	All other rubber product manufacturing	1	14	7	644	22 285	430	915	13 939	67 586	33 740	101 185	1 593
327	Nonmetallic mineral product manufacturing	1	151	51	3 474	146 360	2 272	4 644	84 015	350 445	247 350	595 890	14 622
3271	Clay product and refractory manufacturing	—	6	2	c	D	D	D	D	D	D	D	D
32712	Clay building material and refractories manufacturing	—	3	2	c	D	D	D	D	D	D	D	D
3272	Glass and glass product manufacturing	1	25	8	814	25 783	528	1 052	14 557	45 148	27 238	72 950	1 862
32721	Glass and glass product manufacturing	1	25	8	814	25 783	528	1 052	14 557	45 148	27 238	72 950	1 862
327215	Glass product manufacturing made of purchased glass ..	1	20	8	802	25 387	517	1 030	14 239	43 969	26 716	71 249	1 812
3273	Cement and concrete product manufacturing	1	75	30	1 667	74 037	1 084	2 150	43 530	180 740	135 834	315 162	6 771
32732	Ready-mix concrete manufacturing	1	41	15	701	32 064	502	1 001	22 510	89 189	90 899	179 981	2 719
327320	Ready-mix concrete manufacturing	1	41	15	701	32 064	502	1 001	22 510	89 189	90 899	179 981	2 719
32733	Concrete pipe, brick, and block manufacturing	2	9	4	c	D	D	D	D	D	D	D	D
327331	Concrete block and brick manufacturing	3	6	2	106	4 057	58	103	1 724	8 921	10 035	18 804	D
32739	Other concrete product manufacturing	1	24	11	781	34 511	472	929	17 440	71 800	32 279	103 150	3 083
327390	Other concrete product manufacturing	1	24	11	781	34 511	472	929	17 440	71 800	32 279	103 150	3 083
3279	Other nonmetallic mineral product manufacturing	1	43	10	796	34 793	526	1 146	17 822	77 702	62 220	139 754	D
32791	Abrasive product manufacturing	—	9	2	370	17 824	222	521	7 144	28 020	37 247	65 893	D
327910	Abrasive product manufacturing	—	9	2	370	17 824	222	521	7 144	28 020	37 247	65 893	D
32799	All other nonmetallic mineral product manufacturing	2	34	8	426	16 969	304	625	10 678	49 682	24 973	73 861	D
327991	Cut stone and stone product manufacturing	2	25	2	c	D	D	D	D	D	D	D	399
327993	Mineral wool manufacturing ..	3	7	4	150	6 142	107	233	3 816	21 693	7 700	29 226	709
331	Primary metal manufacturing	1	92	42	4 149	191 946	2 989	6 406	123 902	456 647	568 693	1 017 509	28 253
3311	Iron and steel mills and ferroalloy manufacturing	—	2	2	c	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	2	2	c	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	2	2	c	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	12	7	898	45 240	669	1 452	29 172	96 940	116 091	213 181	4 121
33122	Rolling and drawing of purchased steel	—	12	7	898	45 240	669	1 452	29 172	96 940	116 091	213 181	4 121
331221	Rolled steel shape manufacturing	—	4	3	536	29 912	361	775	17 572	62 724	78 856	141 012	2 554
331222	Steel wire drawing	1	8	4	362	15 328	308	677	11 600	34 216	37 235	72 169	1 567
3313	Alumina and aluminum production and processing	—	8	4	354	16 131	231	439	8 597	30 875	64 413	95 183	D
33131	Alumina and aluminum production and processing ...	—	8	4	354	16 131	231	439	8 597	30 875	64 413	95 183	D
331315	Aluminum sheet, plate, and foil manufacturing	—	3	3	228	10 985	133	244	5 066	17 623	44 052	61 983	D
331316	Aluminum extruded product manufacturing	—	1	1	c	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)				
CONNECTICUT—Con.													
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing	1	42	19	2 075	96 664	1 448	3 072	62 612	250 968	303 448	547 132	19 853
33142	Copper rolling, drawing, extruding, and alloying	2	17	11	1 160	53 010	842	1 846	37 438	115 045	143 757	257 679	4 539
331421	Copper rolling, drawing, and extruding	2	10	8	927	43 496	653	1 446	30 161	91 424	109 884	201 387	3 591
331422	Copper wire (except mechanical) drawing	—	7	3	233	9 514	189	400	7 277	23 621	33 873	56 292	948
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	18	7	855	41 432	577	1 165	24 095	131 313	150 645	275 411	15 099
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	11	6	768	37 598	517	1 038	21 650	122 298	140 573	256 251	14 832
3315	Foundries	4	28	10	f	D	D	D	D	D	D	D	2 322
33151	Ferrous metal foundries	5	7	2	c	D	D	D	D	D	D	D	902
331512	Steel investment foundries ..	—	1	1	c	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries ..	3	21	8	379	13 036	288	642	8 388	29 562	14 012	43 385	1 420
331522	Nonferrous (except aluminum) die-casting foundries	3	6	3	159	5 010	101	233	2 881	11 140	7 037	18 242	156
331524	Aluminum foundries (except die-casting)	1	7	4	155	6 116	132	295	4 142	12 509	3 933	16 625	D
332	Fabricated metal product manufacturing	1	'1 385	'408	'35 710	'1 478 536	'25 619	'52 177	'911 847	'3 261 392	'1 942 686	'5 185 726	'166 075
3321	Forging and stamping	2	108	54	4 711	208 372	3 610	7 201	141 551	382 993	334 221	716 971	18 486
33211	Forging and stamping	2	108	54	4 711	208 372	3 610	7 201	141 551	382 993	334 221	716 971	18 486
332111	Iron and steel forging	2	4	4	569	27 295	447	708	19 896	57 218	39 995	97 184	1 252
332112	Nonferrous forging	—	2	2	c	D	D	D	D	D	D	D	D
332114	Custom roll forming	7	6	2	c	D	D	D	D	D	D	D	395
332115	Crown and closure manufacturing	—	7	3	316	13 701	246	526	9 383	23 558	35 594	58 972	D
332116	Metal stamping	2	85	41	3 317	147 889	2 535	5 362	99 272	267 086	223 838	491 369	14 589
332117	Powder metallurgy part manufacturing	—	4	2	265	8 718	200	242	6 196	17 453	9 653	27 005	368
3322	Cutlery and handtool manufacturing	—	43	15	2 297	122 674	1 706	3 713	73 947	384 592	160 648	537 176	23 938
33221	Cutlery and handtool manufacturing	—	43	15	2 297	122 674	1 706	3 713	73 947	384 592	160 648	537 176	23 938
332211	Cutlery and flatware (except precious) manufacturing ...	—	3	2	f	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	1	36	13	g	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	190	52	3 713	149 390	2 416	4 914	78 792	368 516	233 595	600 000	14 202
33231	Plate work and fabricated structural product manufacturing	4	65	18	1 193	51 385	784	1 618	28 955	114 566	80 318	193 828	4 220
332312	Fabricated structural metal manufacturing	4	41	12	890	40 578	563	1 185	21 789	94 934	65 766	160 132	3 485
332313	Plate work manufacturing ...	6	19	5	257	9 091	198	390	6 555	15 290	9 500	24 302	641
33232	Ornamental and architectural metal products manufacturing	1	125	34	2 520	98 005	1 632	3 296	49 837	253 950	153 277	406 172	9 982
332321	Metal window and door manufacturing	1	12	6	757	29 992	374	830	12 381	110 532	58 293	167 262	1 068
332322	Sheet metal work manufacturing	2	81	20	1 248	45 911	892	1 825	27 409	98 460	57 088	154 794	3 957
332323	Ornamental and architectural metal work manufacturing ..	1	32	8	515	22 102	366	641	10 047	44 958	37 896	84 116	4 957
3324	Boiler, tank, and shipping container manufacturing	4	23	10	473	18 388	340	719	10 452	33 808	33 371	67 051	3 745
33241	Power boiler and heat exchanger manufacturing ...	4	7	4	184	7 129	129	264	3 990	15 535	11 071	26 496	808
332410	Power boiler and heat exchanger manufacturing ..	4	7	4	184	7 129	129	264	3 990	15 535	11 071	26 496	808
33242	Metal tank (heavy gauge) manufacturing	4	6	2	117	4 948	74	164	2 417	8 303	9 206	17 682	204
332420	Metal tank (heavy gauge) manufacturing	4	6	2	117	4 948	74	164	2 417	8 303	9 206	17 682	204
33243	Metal can, box, and other metal container (light gauge) manufacturing	4	10	4	172	6 311	137	291	4 045	9 970	13 094	22 873	2 733
332439	Other metal container manufacturing	5	6	2	106	3 969	83	163	2 556	6 539	9 206	15 802	D
3325	Hardware manufacturing	1	35	18	2 331	91 804	1 714	3 541	56 238	270 595	161 282	428 314	13 697
33251	Hardware manufacturing	1	35	18	2 331	91 804	1 714	3 541	56 238	270 595	161 282	428 314	13 697
332510	Hardware manufacturing	1	35	18	2 331	91 804	1 714	3 541	56 238	270 595	161 282	428 314	13 697

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

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

NAICS code	Geographic area and industry	E 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)				
CONNECTICUT—Con.													
332	Fabricated metal product manufacturing—Con.												
3326	Spring and wire product manufacturing	1	62	27	1 512	64 017	1 057	2 251	39 109	124 713	59 535	184 522	5 987
33261	Spring and wire product manufacturing	1	62	27	1 512	64 017	1 057	2 251	39 109	124 713	59 535	184 522	5 987
332611	Spring (heavy gauge) manufacturing	—	4	3	154	9 142	100	231	5 255	14 483	9 482	24 102	D
332612	Spring (light gauge) manufacturing	1	25	13	678	31 533	481	1 048	20 429	60 075	21 006	80 665	D
332618	Other fabricated wire product manufacturing	1	33	11	680	23 342	476	972	13 425	50 155	29 047	79 755	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	638	124	9 983	396 480	6 926	13 753	248 382	733 076	391 719	1 118 543	46 062
33271	Machine shops	4	453	55	5 418	216 020	3 471	6 967	130 752	362 163	234 468	593 648	26 490
332710	Machine shops	4	453	55	5 418	216 020	3 471	6 967	130 752	362 163	234 468	593 648	26 490
33272	Turned product and screw, nut, and bolt manufacturing	1	185	69	4 565	180 460	3 455	6 786	117 630	370 913	157 251	524 895	19 572
332721	Precision turned product manufacturing	1	145	52	3 371	131 374	2 636	5 111	90 154	268 827	114 865	381 987	13 793
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	40	17	1 194	49 086	819	1 675	27 476	102 086	42 386	142 908	5 779
3328	Coating, engraving, heat treating, and allied activities	1	'168	'60	'4 153	'154 823	'3 154	'6 386	'99 913	'314 181	'166 349	'481 539	'13 676
33281	Coating, engraving, heat treating, and allied activities ..	—	'168	'60	'4 153	'154 823	'3 154	'6 386	'99 913	'314 181	'166 349	'481 539	'13 676
332811	Metal heat treating	1	31	9	539	21 293	399	860	14 036	44 923	17 097	62 746	D
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	'51	'19	'1 242	'48 860	'936	'1 955	'31 827	'110 070	'58 812	'168 434	D
332813	Electroplating, plating, polishing, anodizing, and coloring	1	86	32	2 372	84 670	1 819	3 571	54 050	159 188	90 440	250 359	6 089
3329	Other fabricated metal product manufacturing	1	118	48	6 537	272 588	4 696	9 699	163 463	648 918	401 966	1 051 610	26 282
33291	Metal valve manufacturing	—	28	18	2 645	108 874	1 768	3 700	56 656	266 686	204 555	473 775	10 589
332911	Industrial valve manufacturing	—	10	8	858	34 273	520	1 057	15 352	127 943	80 402	208 851	D
332912	Fluid power valve and hose fitting manufacturing	—	11	6	1 219	57 127	839	1 816	32 060	106 347	84 733	191 003	4 803
332913	Plumbing fixture fitting and trim manufacturing	—	6	4	f	D	D	D	D	D	D	D	1 653
33299	All other fabricated metal product manufacturing	2	90	30	3 892	163 714	2 928	5 999	106 807	382 232	197 411	577 835	15 693
332991	Ball and roller bearing manufacturing	5	15	8	1 356	62 199	1 026	2 171	41 082	157 813	60 209	220 887	4 339
332994	Small arms manufacturing...	—	10	6	1 365	55 614	1 032	2 150	36 836	129 154	75 443	202 366	6 714
332999	All other miscellaneous fabricated metal product manufacturing	2	45	14	971	38 217	718	1 392	23 820	77 348	49 674	125 640	4 172
333	Machinery manufacturing	2	586	173	22 290	1 039 608	11 087	21 824	439 210	2 880 372	1 720 655	4 699 936	153 146
3331	Agriculture, construction, and mining machinery manufacturing	4	12	4	248	8 840	166	289	4 681	18 560	25 115	43 062	801
33311	Agricultural implement manufacturing	4	4	3	154	4 866	123	198	3 243	10 933	18 185	28 431	D
333111	Farm machinery and equipment manufacturing ..	—	3	2	c	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	4	77	28	4 489	219 567	2 316	4 583	97 393	554 632	293 451	939 842	53 203
33322	Plastics and rubber industry machinery manufacturing	1	15	6	722	33 520	396	756	15 920	54 980	97 566	156 993	2 341
333220	Plastics and rubber industry machinery manufacturing ..	1	15	6	722	33 520	396	756	15 920	54 980	97 566	156 993	2 341
33329	Other industrial machinery manufacturing	5	62	22	3 767	186 047	1 920	3 827	81 473	499 652	195 885	782 849	50 862
333291	Paper industry machinery manufacturing	1	4	2	132	5 001	72	146	2 918	9 726	5 766	15 642	181
333292	Textile machinery manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	—	11	4	406	12 259	343	685	8 403	39 619	19 603	60 201	D
333294	Food product machinery manufacturing	2	4	2	e	D	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing	9	6	3	g	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	1	33	9	852	39 235	440	877	15 735	81 157	87 007	168 838	D
3333	Commercial and service industry machinery manufacturing	—	52	26	6 070	288 466	1 863	3 380	79 526	1 130 552	660 029	1 777 205	35 672

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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)				
CONNECTICUT—Con.													
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing—Con.												
33331	Commercial and service industry machinery manufacturing	—	52	26	6 070	288 466	1 863	3 380	79 526	1 130 552	660 029	1 777 205	35 672
333311	Automatic vending machine manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing	—	9	7	h	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	—	12	3	550	32 580	209	407	11 394	95 708	14 344	107 052	4 397
333319	Other commercial and service industry machinery manufacturing	6	23	10	714	30 724	403	757	12 831	62 876	40 117	101 599	2 687
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	15	6	684	26 166	450	865	12 657	98 158	88 713	192 556	3 102
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	15	6	684	26 166	450	865	12 657	98 158	88 713	192 556	3 102
333412	Industrial and commercial fan and blower manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	7	7	3	240	9 005	154	306	3 560	29 935	19 658	49 838	692
3335	Metalworking machinery manufacturing	2	276	52	4 645	201 782	2 858	5 779	113 496	381 084	247 860	633 855	23 532
33351	Metalworking machinery manufacturing	2	276	52	4 645	201 782	2 858	5 779	113 496	381 084	247 860	633 855	23 532
333511	Industrial mold manufacturing	—	50	8	624	33 135	426	845	20 544	56 052	19 763	75 239	4 459
333512	Machine tool (metal cutting types) manufacturing	1	12	5	905	32 959	302	635	11 487	95 855	115 296	218 245	9 149
333513	Machine tool (metal forming types) manufacturing	—	6	2	c	D	D	D	D	D	D	D	432
333514	Special die and tool, die set, jig, and fixture manufacturing	5	109	10	1 153	52 035	832	1 621	33 075	83 799	32 740	115 690	3 798
333515	Cutting tool and machine tool accessory manufacturing ..	3	76	18	1 133	41 355	797	1 597	25 812	77 485	34 077	113 043	3 124
333516	Rolling mill machinery and equipment manufacturing ..	2	2	2	c	D	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing ..	1	21	7	495	26 122	319	661	14 868	35 018	22 156	61 702	D
3336	Engine, turbine, and power transmission equipment manufacturing	1	28	15	2 396	116 921	1 623	3 306	70 998	304 511	133 182	442 124	15 821
33361	Engine, turbine, and power transmission equipment manufacturing	1	28	15	2 396	116 921	1 623	3 306	70 998	304 511	133 182	442 124	15 821
333611	Turbine and turbine generator set units manufacturing	1	12	8	503	24 188	338	710	15 360	57 546	32 260	95 419	5 767
333613	Mechanical power transmission equipment manufacturing	1	7	3	507	22 963	350	717	13 709	51 111	17 857	68 580	2 578
333618	Other engine equipment manufacturing	1	3	3	1 306	66 671	889	1 801	40 506	189 268	79 332	267 722	6 857
3339	Other general purpose machinery manufacturing	2	126	42	3 758	177 866	1 811	3 622	60 459	392 875	272 305	671 292	21 015
33391	Pump and compressor manufacturing	9	10	3	351	16 635	175	361	5 777	33 782	49 226	85 743	D
333912	Air and gas compressor manufacturing	9	5	2	286	13 657	155	330	5 040	32 979	43 363	76 342	1 226
33392	Material handling equipment manufacturing	6	17	5	459	18 879	284	589	9 250	33 203	29 216	62 350	D
333921	Elevator and moving stairway manufacturing	9	4	2	225	8 637	141	318	4 621	12 154	14 124	26 252	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	5	6	2	137	5 929	90	164	2 781	13 075	8 965	21 904	335
33399	All other general purpose machinery manufacturing	1	99	34	2 948	142 352	1 352	2 672	45 432	325 890	193 863	523 199	18 431
333992	Welding and soldering equipment manufacturing ..	—	7	4	211	10 904	88	185	3 414	21 219	13 282	37 035	1 069
333993	Packaging machinery manufacturing	6	12	3	265	14 296	135	284	6 032	20 886	20 598	41 508	760
333994	Industrial process furnace and oven manufacturing ...	3	6	1	110	3 399	66	156	1 401	5 691	5 943	11 633	92
333995	Fluid power cylinder and actuator manufacturing	—	8	5	244	7 551	145	206	3 948	23 896	9 634	33 566	886
333999	All other miscellaneous general purpose machinery manufacturing	—	58	19	1 985	99 382	828	1 646	27 551	241 320	132 981	372 281	15 290

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)				
CONNECTICUT—Con.													
334	Computer and electronic product manufacturing	1	358	153	19 741	983 879	9 384	18 478	318 762	2 102 465	1 474 841	3 574 855	94 973
3341	Computer and peripheral equipment manufacturing	1	16	6	f	D	D	D	D	D	D	D	709
33411	Computer and peripheral equipment manufacturing	1	16	6	f	D	D	D	D	D	D	D	709
334119	Other computer peripheral equipment manufacturing ..	—	9	6	f	D	D	D	D	D	D	D	440
3342	Communications equipment manufacturing	2	49	28	3 174	153 564	1 275	2 547	39 892	491 623	370 342	871 203	11 542
33421	Telephone apparatus manufacturing	3	21	11	1 123	57 752	357	600	12 728	176 852	145 119	331 538	4 723
334210	Telephone apparatus manufacturing	3	21	11	1 123	57 752	357	600	12 728	176 852	145 119	331 538	4 723
33422	Radio and television broadcasting and wireless communications equipment manufacturing	5	18	12	1 171	55 883	539	1 086	15 832	115 315	101 289	216 913	2 492
334220	Radio and television broadcasting and wireless communications equipment manufacturing	5	18	12	1 171	55 883	539	1 086	15 832	115 315	101 289	216 913	2 492
33429	Other communications equipment manufacturing	—	10	5	880	39 929	379	861	11 332	199 456	123 934	322 752	4 327
334290	Other communications equipment manufacturing ..	—	10	5	880	39 929	379	861	11 332	199 456	123 934	322 752	4 327
3343	Audio and video equipment manufacturing	2	11	3	589	26 575	219	419	5 978	42 707	38 795	95 776	2 911
33431	Audio and video equipment manufacturing	2	11	3	589	26 575	219	419	5 978	42 707	38 795	95 776	2 911
334310	Audio and video equipment manufacturing	2	11	3	589	26 575	219	419	5 978	42 707	38 795	95 776	2 911
3344	Semiconductor and other electronic component manufacturing	—	125	54	5 200	220 389	3 542	7 213	113 545	438 091	329 885	762 050	46 779
33441	Semiconductor and other electronic component manufacturing	—	125	54	5 200	220 389	3 542	7 213	113 545	438 091	329 885	762 050	46 779
334412	Bare printed circuit board manufacturing	—	18	7	1 105	42 773	900	2 007	33 935	93 507	66 449	162 224	12 286
334413	Semiconductor and related device manufacturing	1	17	4	500	29 463	263	580	11 981	76 711	17 835	94 154	D
334414	Electronic capacitor manufacturing	—	4	3	417	14 223	266	583	6 431	9 076	19 381	23 771	D
334416	Electronic coil, transformer, and other inductor manufacturing	2	17	8	453	11 880	385	708	7 828	19 129	10 529	29 646	363
334417	Electronic connector manufacturing	1	9	6	506	22 603	299	598	9 640	42 214	49 411	93 762	1 707
334418	Printed circuit assembly (electronic assembly) manufacturing	—	17	9	793	35 622	524	1 055	15 432	65 922	87 901	145 631	2 781
334419	Other electronic component manufacturing	1	37	17	1 402	63 022	889	1 649	27 800	129 626	77 376	209 435	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	152	61	10 146	548 781	4 191	7 979	154 078	1 077 975	702 007	1 759 563	32 958
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	152	61	10 146	548 781	4 191	7 979	154 078	1 077 975	702 007	1 759 563	32 958
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	5	16	6	1 285	69 306	565	1 090	16 715	226 487	92 758	321 290	6 446
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	16	6	2 592	157 853	921	1 758	42 026	236 103	157 494	376 133	7 465
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	8	6	3	c	D	D	D	D	D	D	D	464
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	40	17	2 343	116 744	1 113	2 241	40 792	244 425	175 256	415 153	6 237
334514	Totalizing fluid meter and counting device manufacturing	2	10	5	244	8 790	150	292	4 494	16 484	13 753	30 055	520
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	1	8	5	402	24 274	161	327	5 732	14 011	24 405	41 854	2 003
334516	Analytical laboratory instrument manufacturing ..	—	13	4	1 445	76 272	543	888	18 392	105 058	116 861	224 573	6 539
334517	Irradiation apparatus manufacturing	—	4	2	e	D	D	D	D	D	D	D	125
334518	Watch, clock, and part manufacturing	1	7	3	113	4 581	54	107	1 614	17 782	9 008	26 771	197

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)				
CONNECTICUT—Con.													
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.												
33451	Navigational, measuring, electromedical, and control instruments manufacturing—Con.												
334519	Other measuring and controlling device manufacturing	—	32	10	1 308	73 830	457	864	18 783	172 045	60 461	224 579	2 962
335	Electrical equipment, appliance, and component manufacturing	2	176	81	10 265	421 457	6 314	12 360	186 925	1 027 573	679 333	1 716 616	59 096
3351	Electric lighting equipment manufacturing	—	27	12	1 216	46 095	873	1 882	20 925	112 213	79 825	191 013	D
33511	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
335110	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
33512	Lighting fixture manufacturing ..	1	24	9	679	24 437	433	887	10 393	62 618	57 079	119 358	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	—	7	6	394	14 130	255	495	5 663	35 753	21 111	56 517	D
335129	Other lighting equipment manufacturing	1	10	3	262	9 692	162	358	4 380	25 581	34 883	60 472	792
3352	Household appliance manufacturing	9	5	1	152	3 866	147	282	3 528	44 296	8 587	51 218	D
33521	Small electrical appliance manufacturing	9	4	1	c	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	9	4	1	c	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	3	67	27	2 924	127 562	1 786	3 100	57 327	221 662	165 693	392 726	6 816
33531	Electrical equipment manufacturing	3	67	27	2 924	127 562	1 786	3 100	57 327	221 662	165 693	392 726	6 816
335311	Power, distribution, and specialty transformer manufacturing	5	9	6	389	14 143	256	535	6 719	31 202	24 637	55 347	1 667
335312	Motor and generator manufacturing	—	9	6	724	24 748	522	720	13 401	24 820	62 467	94 932	1 692
335313	Switchgear and switchboard apparatus manufacturing ..	7	9	5	718	44 984	431	952	22 923	78 316	29 645	107 629	1 574
335314	Relay and industrial control manufacturing	3	40	10	1 093	43 687	577	893	14 284	87 324	48 944	134 818	1 883
3359	Other electrical equipment and component manufacturing	1	77	41	5 973	243 934	3 508	7 096	105 145	649 402	425 228	1 081 659	46 305
33591	Battery manufacturing	—	5	4	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	1	4	3	c	D	D	D	D	D	D	D	324
33592	Communication and energy wire and cable manufacturing ..	—	20	12	g	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing ..	—	19	11	1 670	67 559	1 133	2 336	35 527	167 408	181 212	349 835	26 740
33593	Wiring device manufacturing ..	—	19	10	1 883	73 486	1 018	2 050	28 822	230 307	114 923	350 901	D
335931	Current-carrying wiring device manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	4	33	15	2 074	89 639	1 193	2 399	36 893	226 195	109 899	335 648	8 196
335991	Carbon and graphite product manufacturing	5	5	2	138	6 006	90	194	3 350	12 189	8 063	20 022	512
335999	All other miscellaneous electrical equipment and component manufacturing ..	4	28	13	1 936	83 633	1 103	2 205	33 543	214 006	101 836	315 626	7 684
336	Transportation equipment manufacturing	—	189	106	45 087	2 601 531	21 223	41 086	969 495	6 295 843	3 644 611	10 095 887	389 969
3363	Motor vehicle parts manufacturing	—	62	33	i	D	D	D	D	D	D	D	21 113
33631	Motor vehicle gasoline engine and engine parts manufacturing	1	10	4	904	33 382	687	1 440	22 793	83 721	132 304	214 835	5 398
336312	Gasoline engine and engine parts manufacturing	1	10	4	904	33 382	687	1 440	22 793	83 721	132 304	214 835	5 398
33632	Motor vehicle electrical and electronic equipment manufacturing	—	12	8	1 982	69 605	1 648	2 632	43 503	182 599	130 055	311 711	5 130
336321	Vehicular lighting equipment manufacturing	—	4	3	926	31 349	833	1 130	20 692	83 251	52 246	134 699	1 474
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	8	5	1 056	38 256	815	1 502	22 811	99 348	77 809	177 012	3 656
33634	Motor vehicle brake system manufacturing	—	4	2	c	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	—	4	2	c	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	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)
CONNECTICUT—Con.													
336	Transportation equipment manufacturing—Con.												
3363	Motor vehicle parts manufacturing—Con.												
33635	Motor vehicle transmission and power train parts manufacturing	—	7	2	f	D	D	D	D	D	D	1 510	
336350	Motor vehicle transmission and power train parts manufacturing	—	7	2	f	D	D	D	D	D	D	1 510	
33636	Motor vehicle seating and interior trim manufacturing	—	4	4	e	D	D	D	D	D	D	D	
336360	Motor vehicle seating and interior trim manufacturing	—	4	4	e	D	D	D	D	D	D	D	
33637	Motor vehicle metal stamping	1	12	7	409	18 001	292	618	11 307	39 995	33 152	73 172	1 802
336370	Motor vehicle metal stamping	1	12	7	409	18 001	292	618	11 307	39 995	33 152	73 172	1 802
33639	Other motor vehicle parts manufacturing	—	12	6	f	D	D	D	D	D	D	D	
336391	Motor vehicle air-conditioning manufacturing	—	1	1	c	D	D	D	D	D	D	D	
336399	All other motor vehicle parts manufacturing	—	11	5	562	23 752	429	897	16 472	84 186	48 182	134 389	D
3364	Aerospace product and parts manufacturing	—	95	64	31 685	1 940 731	14 295	27 576	737 253	4 176 345	3 003 859	7 331 511	336 739
33641	Aerospace product and parts manufacturing	—	95	64	31 685	1 940 731	14 295	27 576	737 253	4 176 345	3 003 859	7 331 511	336 739
336411	Aircraft manufacturing	—	8	7	j	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	55	41	j	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	29	16	i	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing	5	4	2	c	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	5	4	2	c	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing	5	4	2	c	D	D	D	D	D	D	D	D
3366	Ship and boat building	—	14	5	i	D	D	D	D	D	D	D	D
33661	Ship and boat building	—	14	5	i	D	D	D	D	D	D	D	D
336611	Ship building and repairing	—	9	4	i	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	—	7	2	c	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	—	7	2	c	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing	—	3	2	c	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	280	47	3 766	125 909	2 739	5 522	78 155	254 725	171 534	424 507	22 623
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	198	21	1 935	57 914	1 514	3 009	40 801	123 116	82 654	202 996	D
33711	Wood kitchen cabinet and countertop manufacturing	2	134	15	1 401	42 724	1 090	2 176	29 890	95 099	54 462	146 128	11 605
337110	Wood kitchen cabinet and countertop manufacturing	2	134	15	1 401	42 724	1 090	2 176	29 890	95 099	54 462	146 128	11 605
33712	Household and institutional furniture manufacturing	4	64	6	534	15 190	424	833	10 911	28 017	28 192	56 868	D
337121	Upholstered household furniture manufacturing	6	15	2	125	3 455	109	201	2 589	7 517	6 105	13 602	179
337122	Nonupholstered wood household furniture manufacturing	3	40	3	330	8 822	260	514	6 797	14 991	17 126	32 699	596
3372	Office furniture (including fixtures) manufacturing	2	68	22	1 440	51 848	970	1 992	29 477	92 286	58 508	151 862	D
33721	Office furniture (including fixtures) manufacturing	2	68	22	1 440	51 848	970	1 992	29 477	92 286	58 508	151 862	D
337211	Wood office furniture manufacturing	1	5	2	c	D	D	D	D	D	D	D	35
337212	Custom architectural woodwork and millwork manufacturing	2	34	11	688	24 551	448	901	13 787	41 323	21 153	62 402	1 282
337214	Office furniture (except wood) manufacturing	—	1	1	c	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	3	28	8	482	18 330	331	649	10 028	36 693	25 843	63 309	1 065
3379	Other furniture related product manufacturing	—	14	4	391	16 147	255	521	7 877	39 323	30 372	69 649	D
33791	Mattress manufacturing	—	5	2	228	10 069	167	357	6 014	21 500	20 741	41 993	D
337910	Mattress manufacturing	—	5	2	228	10 069	167	357	6 014	21 500	20 741	41 993	D
33792	Blind and shade manufacturing	—	9	2	163	6 078	88	164	1 863	17 823	9 631	27 656	D
337920	Blind and shade manufacturing	—	9	2	163	6 078	88	164	1 863	17 823	9 631	27 656	D

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

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

NAICS code	Geographic area and industry	E 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)				
CONNECTICUT—Con.													
339	Miscellaneous manufacturing	2	435	123	14 707	588 351	9 483	19 029	283 356	1 549 927	1 365 067	3 021 171	106 939
3391	Medical equipment and supplies manufacturing	2	176	54	7 214	317 129	4 507	9 267	148 083	786 905	647 483	1 552 368	51 090
33911	Medical equipment and supplies manufacturing	2	176	54	7 214	317 129	4 507	9 267	148 083	786 905	647 483	1 552 368	51 090
339111	Laboratory apparatus and furniture manufacturing	1	10	6	446	25 436	269	600	14 071	53 577	92 182	143 101	4 576
339112	Surgical and medical instrument manufacturing	1	39	19	4 273	196 764	2 631	5 469	90 053	518 268	404 370	1 043 566	30 735
339113	Surgical appliance and supplies manufacturing	1	28	10	772	34 721	473	1 073	11 768	86 982	60 082	147 677	6 395
339114	Dental equipment and supplies manufacturing	6	10	5	552	23 002	311	590	8 847	64 083	60 187	123 083	4 989
339115	Ophthalmic goods manufacturing	1	5	3	232	7 886	165	279	4 621	15 432	21 257	37 080	2 548
339116	Dental laboratories	6	84	11	939	29 320	658	1 256	18 723	48 563	9 405	57 861	1 847
3399	Other miscellaneous manufacturing	3	259	69	7 493	271 222	4 976	9 762	135 273	763 022	717 584	1 468 803	55 849
33991	Jewelry and silverware manufacturing	6	23	7	e	D	D	D	D	D	D	D	661
339911	Jewelry (except costume) manufacturing	5	13	4	174	5 219	121	225	3 092	10 851	9 146	20 051	442
339914	Costume jewelry and novelty manufacturing	7	5	2	c	D	D	D	D	D	D	D	139
33992	Sporting and athletic goods manufacturing	6	20	6	614	18 604	465	955	12 099	49 342	25 400	74 975	1 068
339920	Sporting and athletic goods manufacturing	6	20	6	614	18 604	465	955	12 099	49 342	25 400	74 975	1 068
33993	Doll, toy, and game manufacturing	—	14	4	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	12	4	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	9	20	6	1 159	65 453	662	1 313	27 481	142 455	278 537	420 140	D
339941	Pen and mechanical pencil manufacturing	9	5	3	f	D	D	D	D	D	D	D	D
339943	Marking device manufacturing	5	11	1	c	D	D	D	D	D	D	D	93
33995	Sign manufacturing	—	75	14	1 725	50 484	1 171	2 282	23 994	104 159	81 669	185 704	11 681
339950	Sign manufacturing	—	75	14	1 725	50 484	1 171	2 282	23 994	104 159	81 669	185 704	11 681
33999	All other miscellaneous manufacturing	1	107	32	2 511	82 319	1 888	3 669	49 553	158 886	93 047	254 498	D
339991	Gasket, packing, and sealing device manufacturing	1	15	7	697	24 667	523	1 074	14 048	48 154	26 091	75 027	2 595
339992	Musical instrument manufacturing	1	8	4	194	5 716	157	288	4 093	10 179	6 157	16 067	231
339993	Fastener, button, needle, and pin manufacturing	2	15	7	655	20 113	549	1 077	14 508	39 843	19 099	61 070	5 402
339999	All other miscellaneous manufacturing	1	65	14	931	30 925	635	1 186	16 436	58 996	38 701	97 695	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 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	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)				
	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA												
31-33	Manufacturing	1	'2 134	712	'84 389	'3 955 212	'51 134	'104 541	'1 944 958	'9 052 802	'6 444 025	'15 691 164	'544 643
311	Food manufacturing	1	102	29	3 384	102 425	2 219	4 209	58 595	586 785	392 954	980 834	D
3114	Fruit and vegetable preserving and specialty food manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	-	6	3	618	20 495	347	744	9 243	135 071	118 978	255 018	4 654
31151	Dairy product (except frozen) manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	7	16	7	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	7	16	7	e	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	7	11	5	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	4	56	9	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	4	55	9	f	D	D	D	D	D	D	D	D
311811	Retail bakeries	4	43	5	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	-	17	5	g	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
313	Textile mills	3	20	10	922	31 171	714	1 225	19 098	56 388	70 572	130 298	1 815
3132	Fabric mills	5	11	4	e	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	8	7	3	e	D	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	8	7	3	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	6	4	e	D	D	D	D	D	D	D	D
31331	Textile and fabric finishing mills	2	4	3	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	2	3	3	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	23	10	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	-	7	4	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	-	7	4	e	D	D	D	D	D	D	D	D
3149	Other textile product mills	1	16	6	e	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	1	9	6	e	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills	-	7	4	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	51	7	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	1	36	4	f	D	D	D	D	D	D	D	D
32191	Millwork	1	16	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	30	19	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	2	4	3	f	D	D	D	D	D	D	D	D
32212	Paper mills	2	3	3	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	2	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	26	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	17	13	g	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	-	11	8	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.													
323	Printing and related support activities	2	204	50	i	D	D	D	D	D	D	D	D
3231	Printing and related support activities	2	204	50	i	D	D	D	D	D	D	D	D
32311	Printing	2	189	44	i	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	1	92	27	h	D	D	D	D	D	D	D	D
323113	Commercial screen printing ..	3	16	5	455	17 138	328	692	9 990	37 422	11 346	48 845	997
323114	Quick printing	1	52	4	f	D	D	D	D	D	D	D	D
323115	Digital printing	—	3	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	60	25	2 240	116 593	1 311	2 758	55 078	439 004	293 923	739 783	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	6	4	284	15 482	182	376	9 527	50 456	71 644	122 929	D
32521	Resin and synthetic rubber manufacturing	—	6	4	284	15 482	182	376	9 527	50 456	71 644	122 929	D
325211	Plastics material and resin manufacturing	—	5	3	e	D	D	D	D	D	D	D	1 270
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	7	4	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
3259	Other chemical product and preparation manufacturing	—	23	9	f	D	D	D	D	D	D	D	D
32592	Explosives manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
325920	Explosives manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ..	1	18	7	e	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	—	12	5	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	90	44	3 044	108 286	2 312	4 778	67 531	319 391	242 574	559 834	15 777
3261	Plastics product manufacturing ..	3	77	38	h	D	D	D	D	D	D	D	D
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	2	18	9	f	D	D	D	D	D	D	D	7 733
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2	15	7	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	43	20	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	42	20	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	—	13	6	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	—	10	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	68	24	1 851	70 958	1 168	2 366	38 676	150 714	119 482	269 732	8 465
3272	Glass and glass product manufacturing	—	10	4	f	D	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	—	10	4	f	D	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	—	9	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	35	16	f	D	D	D	D	D	D	D	3 032
32732	Ready-mix concrete manufacturing	—	21	8	e	D	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	—	21	8	e	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing	1	12	7	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	1	12	7	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	1	20	3	e	D	D	D	D	D	D	D	D
32791	Abrasive product manufacturing	1	6	1	322	15 998	180	426	5 582	24 665	35 699	60 920	D
327910	Abrasive product manufacturing	1	6	1	322	15 998	180	426	5 582	24 665	35 699	60 920	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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HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.													
331	Primary metal manufacturing	1	27	14	g	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	7	5	f	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	7	5	f	D	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing	1	5	3	e	D	D	D	D	D	D	D	D
3315	Foundries	3	12	6	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	647	207	16 895	709 231	12 123	24 721	438 708	1 455 736	886 697	2 339 580	67 811
3321	Forging and stamping	2	35	19	1 839	80 017	1 371	2 604	53 794	143 504	112 096	255 820	5 109
33211	Forging and stamping	2	35	19	1 839	80 017	1 371	2 604	53 794	143 504	112 096	255 820	5 109
332111	Iron and steel forging	2	4	4	569	27 295	447	708	19 896	57 218	39 995	97 184	1 252
332116	Metal stamping	2	24	13	g	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	27	9	g	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	27	9	g	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	—	25	9	g	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	72	25	1 820	77 371	1 122	2 353	40 808	214 513	143 727	356 094	D
33231	Plate work and fabricated structural product manufacturing	4	34	14	f	D	D	D	D	D	D	D	D
332312	Fabricated structural metal manufacturing	4	24	11	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	—	38	11	f	D	D	D	D	D	D	D	D
332321	Metal window and door manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	27	7	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
33251	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
332510	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
3326	Spring and wire product manufacturing	—	43	21	g	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	43	21	g	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	1	21	13	651	30 720	458	1 000	19 790	58 501	19 620	77 705	3 374
332618	Other fabricated wire product manufacturing	—	18	5	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	307	69	4 682	199 331	3 496	7 056	128 523	359 229	179 958	536 569	25 493
33271	Machine shops	2	225	37	2 655	115 003	1 992	4 045	75 262	191 347	92 114	281 331	D
332710	Machine shops	2	225	37	2 655	115 003	1 992	4 045	75 262	191 347	92 114	281 331	D
33272	Turned product and screw, nut, and bolt manufacturing	2	82	32	2 027	84 328	1 504	3 011	53 261	167 882	87 844	255 238	D
332721	Precision turned product manufacturing	2	63	22	g	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	2	19	10	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	1	91	30	g	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, and allied activities ..	1	91	30	g	D	D	D	D	D	D	D	D
332811	Metal heat treating	—	20	6	376	14 461	278	611	9 553	33 878	7 458	41 406	1 115
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	25	10	f	D	D	D	D	D	D	D	2 567
332813	Electroplating, plating, polishing, anodizing, and coloring	2	46	14	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)				
HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.													
332	Fabricated metal product manufacturing—Con.												
3329	Other fabricated metal product manufacturing	—	48	23	h	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	15	12	1 969	84 537	1 278	2 729	44 364	152 175	125 094	280 828	6 699
332911	Industrial valve manufacturing	—	6	5	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	7	5	1 138	53 950	779	1 704	30 489	98 804	81 140	180 274	D
332913	Plumbing fixture fitting and trim manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	33	11	g	D	D	D	D	D	D	D	D
332994	Small arms manufacturing ...	—	3	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	13	5	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	259	75	9 018	418 941	5 264	10 673	210 968	1 013 686	664 502	1 697 717	51 502
3332	Industrial machinery manufacturing	—	29	10	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	—	23	8	g	D	D	D	D	D	D	D	D
333292	Textile machinery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	—	15	3	e	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	2	19	7	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	2	19	7	f	D	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	6	11	3	348	17 311	168	354	7 583	27 773	22 640	49 634	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	7	4	538	19 371	389	746	10 996	83 269	77 804	166 632	2 150
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	7	4	538	19 371	389	746	10 996	83 269	77 804	166 632	2 150
333412	Industrial and commercial fan and blower manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	125	25	2 352	100 641	1 410	2 833	55 404	212 041	164 094	385 131	D
33351	Metalworking machinery manufacturing	1	125	25	2 352	100 641	1 410	2 833	55 404	212 041	164 094	385 131	D
333511	Industrial mold manufacturing	—	20	6	e	D	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing	—	9	3	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	46	4	e	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing ...	1	40	8	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	—	17	10	2 061	103 789	1 382	2 903	63 576	267 130	110 031	381 793	13 329
33361	Engine, turbine, and power transmission equipment manufacturing	—	17	10	2 061	103 789	1 382	2 903	63 576	267 130	110 031	381 793	13 329
333611	Turbine and turbine generator set units manufacturing	1	9	6	435	21 052	286	606	13 611	49 982	30 108	85 982	D
333613	Mechanical power transmission equipment manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	2	54	17	g	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	7	8	3	e	D	D	D	D	D	D	D	D

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	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.												
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing—Con.												
33399	All other general purpose machinery manufacturing	1	44	14	g	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	—	24	6	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	103	44	4 036	179 765	2 285	4 682	72 924	367 352	288 404	655 249	20 084
3341	Computer and peripheral equipment manufacturing	—	6	4	312	18 934	79	177	3 327	30 035	17 887	48 349	358
33411	Computer and peripheral equipment manufacturing	—	6	4	312	18 934	79	177	3 327	30 035	17 887	48 349	358
334119	Other computer peripheral equipment manufacturing . .	—	4	4	e	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	12	7	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	36	15	g	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	36	15	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	9	5	510	25 382	368	727	11 010	48 338	68 326	108 322	1 488
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	44	17	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . .	1	44	17	g	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	12	5	f	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	12	4	e	D	D	D	D	D	D	D	627
335	Electrical equipment, appliance, and component manufacturing	3	60	25	3 909	190 783	2 244	4 660	82 827	452 715	301 215	750 718	D
3351	Electric lighting equipment manufacturing	—	10	4	e	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing . .	—	10	4	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	6	27	7	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	6	27	7	g	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing . .	9	4	1	e	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	3	21	5	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	2	22	14	h	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing .	—	7	6	f	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing .	—	6	5	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing . .	—	2	1	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	2	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT 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	8	11	5	f	D	D	D	D	D	D	D	
335999	All other miscellaneous electrical equipment and component manufacturing ..	9	8	4	f	D	D	D	D	D	D	D	
336	Transportation equipment manufacturing	—	98	55	j	D	D	D	D	D	D	D	
3363	Motor vehicle parts manufacturing	2	19	6	g	D	D	D	D	D	D	D	
33632	Motor vehicle electrical and electronic equipment manufacturing	—	3	2	g	D	D	D	D	D	D	D	
336321	Vehicular lighting equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	
33639	Other motor vehicle parts manufacturing	2	7	2	e	D	D	D	D	D	D	D	
3364	Aerospace product and parts manufacturing	—	67	47	j	D	D	D	D	D	D	D	
33641	Aerospace product and parts manufacturing	—	67	47	j	D	D	D	D	D	D	D	
336411	Aircraft manufacturing	—	3	3	h	D	D	D	D	D	D	D	
336412	Aircraft engine and engine parts manufacturing	—	44	34	j	D	D	D	D	D	D	D	
336413	Other aircraft parts and auxiliary equipment manufacturing	—	18	10	i	D	D	D	D	D	D	D	
337	Furniture and related product manufacturing	1	101	21	g	D	D	D	D	D	D	D	
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	68	8	f	D	D	D	D	D	D	D	
33711	Wood kitchen cabinet and countertop manufacturing	1	42	8	f	D	D	D	D	D	D	D	
337110	Wood kitchen cabinet and countertop manufacturing ..	1	42	8	f	D	D	D	D	D	D	D	
3372	Office furniture (including fixtures) manufacturing	1	28	11	f	D	D	D	D	D	D	D	
33721	Office furniture (including fixtures) manufacturing	1	28	11	f	D	D	D	D	D	D	D	
337212	Custom architectural woodwork and millwork manufacturing	—	11	4	e	D	D	D	D	D	D	D	
337215	Showcase, partition, shelving, and locker manufacturing	3	15	5	e	D	D	D	D	D	D	D	
339	Miscellaneous manufacturing	1	158	47	4 105	155 390	2 612	5 282	75 564	523 653	334 462	847 558	33 688
3391	Medical equipment and supplies manufacturing	2	58	15	g	D	D	D	D	D	D	D	
33911	Medical equipment and supplies manufacturing	2	58	15	g	D	D	D	D	D	D	D	
339112	Surgical and medical instrument manufacturing ..	3	9	5	f	D	D	D	D	D	D	D	
3399	Other miscellaneous manufacturing	—	100	32	h	D	D	D	D	D	D	D	
33993	Doll, toy, and game manufacturing	—	5	3	g	D	D	D	D	D	D	D	
339932	Game, toy, and children's vehicle manufacturing	—	5	3	g	D	D	D	D	D	D	D	
33994	Office supplies (except paper) manufacturing	3	12	5	e	D	D	D	D	D	D	D	
33995	Sign manufacturing	2	29	6	e	D	D	D	D	D	D	D	
339950	Sign manufacturing	2	29	6	e	D	D	D	D	D	D	D	
33999	All other miscellaneous manufacturing	1	42	16	1 089	33 207	827	1 582	20 449	64 189	42 065	106 382	D
339991	Gasket, packing, and sealing device manufacturing	2	8	4	e	D	D	D	D	D	D	D	
339999	All other miscellaneous manufacturing	—	23	7	e	D	D	D	D	D	D	D	

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

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

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)				
	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.												
	Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area												
31-33	Manufacturing	1	'1 937	639	'77 139	'3 696 124	'45 935	'94 663	'1 798 272	'8 183 363	'5 896 464	'14 256 319	'512 800
311	Food manufacturing	3	94	24	2 156	66 081	1 281	2 523	33 853	261 106	270 982	533 251	11 019
3115	Dairy product manufacturing	—	6	3	618	20 495	347	744	9 243	135 071	118 978	255 018	4 654
31151	Dairy product (except frozen) manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	7	13	6	462	14 696	330	714	9 459	38 770	70 539	109 434	2 155
31161	Animal slaughtering and processing	7	13	6	462	14 696	330	714	9 459	38 770	70 539	109 434	2 155
311612	Meat processed from carcasses	7	11	5	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	7	53	7	611	13 471	305	503	6 371	32 033	15 918	47 977	1 381
31181	Bread and bakery product manufacturing	7	52	7	f	D	D	D	D	D	D	D	D
311811	Retail bakeries	4	42	5	452	7 335	201	300	3 427	13 255	7 242	20 507	813
313	Textile mills	6	10	6	563	20 289	432	905	11 797	37 136	32 891	72 559	1 286
3132	Fabric mills	6	8	4	e	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	8	6	3	271	8 227	227	448	6 220	16 789	17 176	35 311	D
313210	Broadwoven fabric mills	8	6	3	271	8 227	227	448	6 220	16 789	17 176	35 311	D
314	Textile product mills	2	21	8	430	12 764	293	573	6 042	25 822	24 754	49 848	D
321	Wood product manufacturing	3	41	6	807	23 710	661	1 067	17 825	46 996	40 834	87 754	1 783
3219	Other wood product manufacturing	1	29	4	588	16 459	481	678	12 104	33 728	23 580	57 161	1 073
32191	Millwork	—	12	2	361	10 705	294	333	7 837	17 804	11 459	29 111	499
322	Paper manufacturing	2	25	16	1 815	85 962	1 212	2 543	48 379	199 730	211 837	405 555	20 889
3221	Pulp, paper, and paperboard mills	2	4	3	f	D	D	D	D	D	D	D	D
32212	Paper mills	2	3	3	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	2	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	1	21	13	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	—	13	10	f	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	—	7	5	e	D	D	D	D	D	D	D	97
323	Printing and related support activities	1	192	48	5 141	206 688	3 411	6 653	112 690	432 975	202 590	637 177	16 068
3231	Printing and related support activities	1	192	48	5 141	206 688	3 411	6 653	112 690	432 975	202 590	637 177	16 068
32311	Printing	1	178	43	4 940	198 710	3 265	6 369	107 715	419 818	199 702	621 130	15 746
323110	Commercial lithographic printing	1	88	27	2 707	111 167	1 866	3 637	64 675	211 044	123 130	335 620	10 113
323113	Commercial screen printing ..	3	16	5	455	17 138	328	692	9 990	37 422	11 346	48 845	997
323114	Quick printing	1	50	4	976	43 095	557	1 059	17 652	87 156	22 989	110 196	2 441
323115	Digital printing	—	3	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	50	20	1 972	105 050	1 141	2 422	50 459	399 770	262 519	669 592	15 906
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	6	4	284	15 482	182	376	9 527	50 456	71 644	122 929	D
32521	Resin and synthetic rubber manufacturing	—	6	4	284	15 482	182	376	9 527	50 456	71 644	122 929	D
325211	Plastics material and resin manufacturing	—	5	3	e	D	D	D	D	D	D	D	1 270
3256	Soap, cleaning compound, and toilet preparation manufacturing .	—	6	3	475	24 140	336	686	14 219	216 999	80 073	297 361	D
32562	Toilet preparation manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con. Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area—Con.													
325 3259	Chemical manufacturing—Con. Other chemical product and preparation manufacturing	—	16	6	753	42 252	349	756	15 698	71 197	62 686	139 193	5 870
32592 325920 32599	Explosives manufacturing Explosives manufacturing All other chemical product and preparation manufacturing	— — 1	2 2 12	2 2 4	e e e	D D D	D D D	D D D	D D D	D D D	D D D	D D D	D D D
326	Plastics and rubber products manufacturing	2	72	32	2 093	69 264	1 633	3 340	45 549	192 848	175 910	367 050	12 424
3261	Plastics product manufacturing	2	66	30	1 988	66 429	1 573	3 246	44 419	187 881	169 367	355 552	12 191
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	2	15	7	513	21 036	386	816	13 257	72 917	77 089	150 350	7 028
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2	12	5	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	39	17	1 049	31 805	826	1 731	20 542	73 536	47 451	121 010	2 933
326199	All other plastics product manufacturing	2	38	17	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	57	17	1 492	58 021	914	1 912	30 936	118 795	99 867	218 203	7 141
3272	Glass and glass product manufacturing	1	8	3	389	11 736	207	482	6 071	17 865	5 804	24 108	D
32721	Glass and glass product manufacturing	1	8	3	389	11 736	207	482	6 071	17 865	5 804	24 108	D
327215	Glass product manufacturing made of purchased glass	—	7	3	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	1	28	11	615	23 277	406	731	14 397	56 894	52 288	108 704	1 885
32732	Ready-mix concrete manufacturing	—	18	5	270	10 859	189	367	7 843	30 603	35 440	66 052	1 025
327320	Ready-mix concrete manufacturing	—	18	5	270	10 859	189	367	7 843	30 603	35 440	66 052	1 025
32739	Other concrete product manufacturing	2	8	5	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	2	8	5	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	1	18	2	e	D	D	D	D	D	D	D	2 390
32791	Abrasive product manufacturing	1	6	1	322	15 998	180	426	5 582	24 665	35 699	60 920	D
327910	Abrasive product manufacturing	1	6	1	322	15 998	180	426	5 582	24 665	35 699	60 920	D
331	Primary metal manufacturing	—	22	12	902	39 431	727	1 539	28 273	90 807	97 239	187 841	4 265
3312	Steel product manufacturing from purchased steel	—	4	3	389	18 753	323	685	14 386	43 490	62 460	106 054	D
33122	Rolling and drawing of purchased steel	—	4	3	389	18 753	323	685	14 386	43 490	62 460	106 054	D
331221	Rolled steel shape manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries	3	11	6	301	11 492	248	532	7 940	25 506	12 165	37 797	D
332	Fabricated metal product manufacturing	1	611	200	16 405	691 372	11 787	24 139	429 195	1 416 164	868 645	2 282 244	64 772
3321	Forging and stamping	2	35	19	1 839	80 017	1 371	2 604	53 794	143 504	112 096	255 820	5 109
33211	Forging and stamping	2	35	19	1 839	80 017	1 371	2 604	53 794	143 504	112 096	255 820	5 109
332111	Iron and steel forging	2	4	4	569	27 295	447	708	19 896	57 218	39 995	97 184	1 252
332116	Metal stamping	2	24	13	g	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	26	9	1 129	50 027	883	1 794	35 047	100 556	63 904	164 166	D
33221	Cutlery and handtool manufacturing	—	26	9	1 129	50 027	883	1 794	35 047	100 556	63 904	164 166	D
332212	Hand and edge tool manufacturing	—	24	9	g	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.												
	Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3323	Architectural and structural metals manufacturing	2	68	24	1 771	75 434	1 086	2 273	39 670	211 292	141 095	350 284	4 523
33231	Plate work and fabricated structural product manufacturing	4	33	13	836	37 129	527	1 097	20 337	85 613	58 794	144 017	3 248
332312	Fabricated structural metal manufacturing	5	23	10	691	32 530	416	881	16 893	79 761	52 979	132 302	2 977
33232	Ornamental and architectural metal products manufacturing	—	35	11	935	38 305	559	1 176	19 333	125 679	82 301	206 267	1 275
332321	Metal window and door manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	1	25	7	439	16 872	319	634	10 096	33 063	25 754	58 254	711
3325	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
33251	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
332510	Hardware manufacturing	1	13	8	869	34 590	657	1 323	21 193	103 275	57 010	157 805	3 104
3326	Spring and wire product manufacturing	—	39	20	1 109	50 740	755	1 617	30 312	96 007	43 679	139 953	4 779
33261	Spring and wire product manufacturing	—	39	20	1 109	50 740	755	1 617	30 312	96 007	43 679	139 953	4 779
332612	Spring (light gauge) manufacturing	1	21	13	651	30 720	458	1 000	19 790	58 501	19 620	77 705	3 374
332618	Other fabricated wire product manufacturing	—	14	4	304	10 878	197	386	5 267	23 023	14 577	38 146	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	286	64	4 362	187 734	3 287	6 736	122 741	331 511	169 795	498 898	22 979
33271	Machine shops	2	210	35	2 549	110 997	1 912	3 930	72 751	183 749	88 813	270 254	14 297
332710	Machine shops	2	210	35	2 549	110 997	1 912	3 930	72 751	183 749	88 813	270 254	14 297
33272	Turned product and screw, nut, and bolt manufacturing	2	76	29	1 813	76 737	1 375	2 806	49 990	147 762	80 982	228 644	8 682
332721	Precision turned product manufacturing	2	61	21	1 537	65 602	1 168	2 356	43 055	126 826	69 731	196 449	7 745
332722	Bolt, nut, screw, rivet, and washer manufacturing	3	15	8	276	11 135	207	450	6 935	20 936	11 251	32 195	937
3328	Coating, engraving, heat treating, and allied activities	1	88	30	1 870	71 454	1 378	2 858	45 900	147 888	80 089	228 943	6 624
33281	Coating, engraving, heat treating, and allied activities ..	1	88	30	1 870	71 454	1 378	2 858	45 900	147 888	80 089	228 943	6 624
332811	Metal heat treating	—	20	6	376	14 461	278	611	9 553	33 878	7 458	41 406	1 115
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	24	10	594	24 114	441	908	16 204	56 070	35 115	91 949	2 567
332813	Electroplating, plating, polishing, anodizing, and coloring	2	44	14	900	32 879	659	1 339	20 143	57 940	37 516	95 588	2 942
3329	Other fabricated metal product manufacturing	—	46	23	3 249	134 167	2 215	4 608	76 206	267 713	186 970	458 047	13 361
33291	Metal valve manufacturing	—	15	12	1 969	84 537	1 278	2 729	44 364	152 175	125 094	280 828	6 699
332911	Industrial valve manufacturing	—	6	5	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	7	5	1 138	53 950	779	1 704	30 489	98 804	81 140	180 274	D
332913	Plumbing fixture fitting and trim manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	31	11	1 280	49 630	937	1 879	31 842	115 538	61 876	177 219	6 662
332994	Small arms manufacturing...	—	3	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	—	12	5	373	13 319	284	544	8 256	23 735	18 189	42 487	706
333	Machinery manufacturing	1	237	68	8 620	401 951	5 008	10 153	202 386	976 683	635 981	1 633 759	50 798
3332	Industrial machinery manufacturing	—	28	10	1 357	64 441	657	1 280	26 152	132 155	130 180	263 315	1 755
33329	Other industrial machinery manufacturing	—	22	8	1 304	62 388	624	1 213	25 336	128 250	125 918	255 237	1 706
333292	Textile machinery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333294	Food product machinery manufacturing	2	2	2	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	—	14	3	465	21 872	277	567	9 939	42 815	67 876	114 647	315

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.												
	Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3333	Commercial and service industry machinery manufacturing	2	18	7	952	52 606	391	777	18 952	122 000	42 875	160 629	5 851
33331	Commercial and service industry machinery manufacturing	2	18	7	952	52 606	391	777	18 952	122 000	42 875	160 629	5 851
333314	Optical instrument and lens manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	6	11	3	348	17 311	168	354	7 583	27 773	22 640	49 634	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	7	4	538	19 371	389	746	10 996	83 269	77 804	166 632	2 150
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	7	4	538	19 371	389	746	10 996	83 269	77 804	166 632	2 150
333412	Industrial and commercial fan and blower manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	114	23	2 245	94 523	1 332	2 661	51 863	200 030	159 372	369 501	15 649
33351	Metalworking machinery manufacturing	1	114	23	2 245	94 523	1 332	2 661	51 863	200 030	159 372	369 501	15 649
333511	Industrial mold manufacturing	—	13	4	299	16 567	194	380	10 442	24 304	7 737	32 517	3 241
333512	Machine tool (metal cutting types) manufacturing	—	9	3	f	D	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	43	4	470	20 216	340	647	12 200	36 051	10 950	45 887	1 309
333515	Cutting tool and machine tool accessory manufacturing...	1	39	8	540	21 020	381	772	13 399	38 915	18 879	59 932	2 123
3336	Engine, turbine, and power transmission equipment manufacturing	—	17	10	2 061	103 789	1 382	2 903	63 576	267 130	110 031	381 793	13 329
33361	Engine, turbine, and power transmission equipment manufacturing	—	17	10	2 061	103 789	1 382	2 903	63 576	267 130	110 031	381 793	13 329
333611	Turbine and turbine generator set units manufacturing	1	9	6	435	21 052	286	606	13 611	49 982	30 108	85 982	D
333613	Mechanical power transmission equipment manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	2	49	14	1 454	66 679	847	1 769	30 557	171 038	114 152	289 261	12 011
33399	All other general purpose machinery manufacturing	1	42	13	1 219	56 744	708	1 473	25 878	156 817	100 557	261 356	11 297
333999	All other miscellaneous general purpose machinery manufacturing	—	22	5	711	35 492	410	862	15 744	121 991	69 148	191 384	D
334	Computer and electronic product manufacturing	—	98	43	3 962	177 299	2 240	4 604	72 023	361 836	286 515	647 831	19 978
3341	Computer and peripheral equipment manufacturing	—	6	4	312	18 934	79	177	3 327	30 035	17 887	48 349	358
33411	Computer and peripheral equipment manufacturing	—	6	4	312	18 934	79	177	3 327	30 035	17 887	48 349	358
334119	Other computer peripheral equipment manufacturing ..	—	4	4	e	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	12	7	f	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.												
	Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area—Con.												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing	—	33	14	1 495	57 757	1 190	2 470	34 738	126 801	96 941	215 783	12 231
33441	Semiconductor and other electronic component manufacturing	—	33	14	1 495	57 757	1 190	2 470	34 738	126 801	96 941	215 783	12 231
334412	Bare printed circuit board manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	—	7	4	265	6 526	232	446	4 402	11 102	5 697	16 748	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	9	5	510	25 382	368	727	11 010	48 338	68 326	108 322	1 488
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	42	17	1 340	67 141	653	1 364	24 560	123 253	109 841	237 128	4 179
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	42	17	1 340	67 141	653	1 364	24 560	123 253	109 841	237 128	4 179
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	11	5	629	32 888	310	688	11 283	67 427	70 764	138 984	2 022
334519	Other measuring and controlling device manufacturing	—	12	4	e	D	D	D	D	D	D	D	627
335	Electrical equipment, appliance, and component manufacturing	4	50	19	3 058	159 108	1 663	3 505	66 873	369 697	214 880	579 675	17 585
3351	Electric lighting equipment manufacturing	—	9	3	e	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	9	3	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	6	23	6	904	55 634	487	1 074	23 455	93 379	41 253	134 526	1 644
33531	Electrical equipment manufacturing	6	23	6	904	55 634	487	1 074	23 455	93 379	41 253	134 526	1 644
335313	Switchgear and switchboard apparatus manufacturing ..	9	3	1	e	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	5	18	4	347	16 159	180	321	4 443	32 884	19 836	52 839	D
3359	Other electrical equipment and component manufacturing	3	17	10	1 895	93 762	1 005	2 071	38 573	251 932	138 014	385 594	15 283
33592	Communication and energy wire and cable manufacturing ..	1	4	3	269	10 857	208	403	7 257	34 351	30 664	65 233	D
335929	Other communication and energy wire manufacturing ..	1	4	3	269	10 857	208	403	7 257	34 351	30 664	65 233	D
33593	Wiring device manufacturing ..	—	2	1	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	8	10	5	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	9	7	4	794	44 815	404	837	17 839	92 763	58 164	148 207	D
336	Transportation equipment manufacturing	—	91	52	22 176	1 369 472	9 898	21 430	533 047	2 602 873	2 003 439	4 774 939	232 325
3363	Motor vehicle parts manufacturing	2	16	6	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	65	45	20 700	1 323 422	8 574	19 237	499 942	2 490 638	1 907 163	4 566 957	D
33641	Aerospace product and parts manufacturing	—	65	45	20 700	1 323 422	8 574	19 237	499 942	2 490 638	1 907 163	4 566 957	D
336411	Aircraft manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	43	33	13 233	857 814	5 074	11 294	276 742	1 064 026	1 117 177	2 278 187	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	18	10	i	D	D	D	D	D	D	D	D

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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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HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.													
Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area—Con.													
337	Furniture and related product manufacturing	1	93	21	1 686	60 732	1 230	2 537	37 335	123 539	89 682	212 839	6 933
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	61	8	628	19 258	496	992	14 050	44 234	29 340	73 436	5 445
33711	Wood kitchen cabinet and countertop manufacturing	1	40	8	532	16 583	417	840	12 035	38 732	19 547	57 858	5 227
337110	Wood kitchen cabinet and countertop manufacturing ..	1	40	8	532	16 583	417	840	12 035	38 732	19 547	57 858	5 227
3372	Office furniture (including fixtures) manufacturing	1	27	11	822	31 286	565	1 181	17 302	57 677	39 652	97 252	1 364
33721	Office furniture (including fixtures) manufacturing	1	27	11	822	31 286	565	1 181	17 302	57 677	39 652	97 252	1 364
337212	Custom architectural woodwork and millwork manufacturing	-	11	4	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	3	14	5	347	14 175	227	487	7 281	30 972	21 246	51 784	957
339	Miscellaneous manufacturing	1	146	43	3 588	140 321	2 202	4 444	66 186	495 919	316 428	802 177	27 985
3391	Medical equipment and supplies manufacturing	2	56	15	1 301	58 740	844	1 817	28 402	129 658	37 401	169 560	7 868
33911	Medical equipment and supplies manufacturing	2	56	15	1 301	58 740	844	1 817	28 402	129 658	37 401	169 560	7 868
339112	Surgical and medical instrument manufacturing ..	3	9	5	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	90	28	2 287	81 581	1 358	2 627	37 784	366 261	279 027	632 617	20 117
33993	Doll, toy, and game manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	-	5	3	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	3	12	5	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	2	26	6	256	9 386	157	294	4 236	17 175	9 557	26 713	D
339950	Sign manufacturing	2	26	6	256	9 386	157	294	4 236	17 175	9 557	26 713	D
33999	All other miscellaneous manufacturing	2	36	13	608	19 306	444	795	11 748	38 517	26 559	65 591	815
339999	All other miscellaneous manufacturing	-	21	6	283	9 419	194	333	5 444	19 330	16 091	35 735	377
Willimantic, CT Micropolitan Statistical Area													
31-33	Manufacturing	1	197	73	7 250	259 088	5 199	9 878	146 686	869 439	547 561	1 434 845	31 843
311	Food manufacturing	-	8	5	1 228	36 344	938	1 686	24 742	325 679	121 972	447 583	D
3119	Other food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
313	Textile mills	-	10	4	359	10 882	282	320	7 301	19 252	37 681	57 739	529
322	Paper manufacturing	-	5	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	-	5	3	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	4	10	5	268	11 543	170	336	4 619	39 234	31 404	70 191	D
326	Plastics and rubber products manufacturing	4	18	12	951	39 022	679	1 438	21 982	126 543	66 664	192 784	3 353
3261	Plastics product manufacturing ..	5	11	8	f	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	-	7	4	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	-	7	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	-	11	7	359	12 937	254	454	7 740	31 919	19 615	51 529	1 324

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA—Con.													
Willimantic, CT Micropolitan Statistical Area—Con.													
332	Fabricated metal product manufacturing	1	36	7	490	17 859	336	582	9 513	39 572	18 052	57 336	3 039
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	21	5	320	11 597	209	320	5 782	27 718	10 163	37 671	2 514
333	Machinery manufacturing	2	22	7	398	16 990	256	520	8 582	37 003	28 521	63 958	704
335	Electrical equipment, appliance, and component manufacturing	—	10	6	851	31 675	581	1 155	15 954	83 018	86 335	171 043	D
3359	Other electrical equipment and component manufacturing	—	5	4	f	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	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	7	3	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	12	4	517	15 069	410	838	9 378	27 734	18 034	45 381	5 703
3399	Other miscellaneous manufacturing	—	10	4	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	—	6	3	481	13 901	383	787	8 701	25 672	15 506	40 791	D
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA													
31-33	Manufacturing	2	25 878	6 680	717 786	29 418 411	453 854	883 991	14 117 951	98 410 933	70 083 110	168 918 051	4 770 188
311	Food manufacturing	2	2 500	457	l	D	D	D	D	D	D	D	266 816
3111	Animal food manufacturing	1	17	6	f	D	D	D	D	D	D	D	D
31111	Animal food manufacturing	1	17	6	f	D	D	D	D	D	D	D	D
311119	Other animal food manufacturing	4	11	4	e	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	5	17	8	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	6	7	5	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	5	135	27	h	D	D	D	D	D	D	D	D
31131	Sugar manufacturing	9	5	2	e	D	D	D	D	D	D	D	D
311312	Cane sugar refining	9	5	2	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	2	69	12	g	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate	2	69	12	g	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery manufacturing	—	40	11	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	—	40	11	g	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	2	83	30	h	D	D	D	D	D	D	D	D
31141	Frozen food manufacturing	3	43	17	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food manufacturing	3	37	15	g	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	1	40	13	g	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning	—	28	11	g	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	1	112	31	h	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing	1	63	24	h	D	D	D	D	D	D	D	D
311511	Fluid milk manufacturing	—	16	12	g	D	D	D	D	D	D	D	D
311513	Cheese manufacturing	4	32	11	f	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing	4	49	7	f	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	4	49	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
311	Food manufacturing—Con.											
3116	Animal slaughtering and processing	2	164	55	h	D	D	D	D	D	D	D
31161	Animal slaughtering and processing	2	164	55	h	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	4	45	9	f	D	D	D	D	D	D	D
311612	Meat processed from carcasses	2	96	36	h	D	D	D	D	D	D	D
311615	Poultry processing	1	22	9	f	D	D	D	D	D	D	D
3117	Seafood product preparation and packaging	4	25	9	g	D	D	D	D	D	D	D
31171	Seafood product preparation and packaging	4	25	9	g	D	D	D	D	D	D	D
311711	Seafood canning	4	6	2	f	D	D	D	D	D	D	D
311712	Fresh and frozen seafood processing	4	19	7	f	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	1 657	198	j	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	2	1 572	172	j	D	D	D	D	D	D	D
311811	Retail bakeries	4	1 147	76	i	D	D	D	D	D	D	D
311812	Commercial bakeries	2	399	86	j	D	D	D	D	D	D	D
311813	Frozen cakes, pies, and other pastries manufacturing	5	26	10	e	D	D	D	D	D	D	D
31182	Cookie, cracker, and pasta manufacturing	2	81	24	h	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	1	35	13	h	D	D	D	D	D	D	D
311822	Flour mixes and dough purchased flour	5	13	6	f	D	D	D	D	D	D	D
311823	Dry pasta manufacturing	3	33	5	e	D	D	D	D	D	D	D
3119	Other food manufacturing	2	1 290	193	j	D	D	D	D	D	D	D
31191	Snack food manufacturing	1	21	7	f	D	D	D	D	D	D	D
311919	Other snack food manufacturing	1	16	5	e	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing	2	28	15	g	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing	2	28	15	g	D	D	D	D	D	D	D
31193	Flavoring syrup and concentrate manufacturing	6	25	12	f	D	D	D	D	D	D	D
311930	Flavoring syrup and concentrate manufacturing	6	25	12	f	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	2	52	24	h	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	3	19	10	f	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	1	33	14	g	D	D	D	D	D	D	D
31199	All other food manufacturing	3	1 164	135	h	D	D	D	D	D	D	D
311991	Perishable prepared food manufacturing	2	46	12	g	D	D	D	D	D	D	D
311999	All other miscellaneous food manufacturing	3	1 118	123	h	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	2	116	33	i	D	D	D	D	D	D	D
3121	Beverage manufacturing	2	108	32	i	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	2	67	23	h	D	D	D	D	D	D	D
312111	Soft drink manufacturing	2	38	20	h	D	D	D	D	D	D	D
312113	Ice manufacturing	8	23	3	e	D	D	D	D	D	D	D
31212	Breweries	—	7	2	f	D	D	D	D	D	D	D
312120	Breweries	—	7	2	f	D	D	D	D	D	D	D
31213	Wineries	3	31	4	e	D	D	D	D	D	D	D
312130	Wineries	3	31	4	e	D	D	D	D	D	D	D
313	Textile mills	3	613	169	j	D	D	D	D	D	D	D
3131	Fiber, yarn, and thread mills	—	34	10	g	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	—	34	10	g	D	D	D	D	D	D	D
313112	Yarn texturizing, throwing, and twisting mills	—	7	4	f	D	D	D	D	D	D	D
3132	Fabric mills	3	262	59	h	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	4	68	11	f	D	D	D	D	D	D	D
313210	Broadwoven fabric mills	4	68	11	f	D	D	D	D	D	D	D
31322	Narrow fabric mills and schiffli machine embroidery	1	74	8	g	D	D	D	D	D	D	D
313221	Narrow fabric mills	2	24	2	e	D	D	D	D	D	D	D
313222	Schiffli machine embroidery	1	50	6	f	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	3	24	11	f	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	3	24	11	f	D	D	D	D	D	D	D

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

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NAICS code	Geographic area and industry	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)	
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
313	Textile mills—Con.													
3132	Fabric mills—Con.													
31324	Knit fabric mills	4	96	29	g	D	D	D	D	D	D	D		
313241	Weft knit fabric mills	3	47	12	g	D	D	D	D	D	D	D		
313249	Other knit fabric and lace mills	4	49	17		993	27 848	805	1 628	17 271	76 538	63 896	140 858	3 157
3133	Textile and fabric finishing and fabric coating mills	4	317	100	i	D	D	D	D	D	D	D	D	
31331	Textile and fabric finishing mills	4	289	85	i	D	D	D	D	D	D	D	D	
313311	Broadwoven fabric finishing mills	4	204	59	h	D	D	D	D	D	D	D	D	
313312	Textile and fabric finishing (except broadwoven fabric) mills	5	85	26	g	D	D	D	D	D	D	D	D	
31332	Fabric coating mills	1	28	15	g	D	D	D	D	D	D	D	D	
313320	Fabric coating mills	1	28	15	g	D	D	D	D	D	D	D	D	
314	Textile product mills	3	'606	'122	j	D	D	D	D	D	D	D	D	
3141	Textile furnishings mills	2	260	55	h	D	D	D	D	D	D	D	D	
31411	Carpet and rug mills	5	15	3	e	D	D	D	D	D	D	D	D	
314110	Carpet and rug mills	5	15	3	e	D	D	D	D	D	D	D	D	
31412	Curtain and linen mills	2	245	52	h	D	D	D	D	D	D	D	D	
314121	Curtain and drapery mills	3	155	24	h	D	D	D	D	D	D	D	D	
314129	Other household textile product mills	2	90	28	g	D	D	D	D	D	D	D	D	
3149	Other textile product mills	3	'346	'67	i	D	D	D	D	D	D	D	D	
31491	Textile bag and canvas mills	3	'134	'21	g	D	D	D	D	D	D	D	D	
314911	Textile bag mills	2	21	5	e	D	D	D	D	D	D	D	D	
314912	Canvas and related product mills	3	'113	'16	g	D	D	D	D	D	D	D	D	
31499	All other textile product mills	3	212	46	h	D	D	D	D	D	D	D	D	
314999	All other miscellaneous textile product mills	3	207	45	h	D	D	D	D	D	D	D	D	
315	Apparel manufacturing	4	'2 821	'587	l	D	D	D	D	D	D	D	D	
3151	Apparel knitting mills	3	183	47	h	D	D	D	D	D	D	D	D	
31519	Other apparel knitting mills	3	168	46	h	D	D	D	D	D	D	D	D	
315191	Outerwear knitting mills	3	162	46	h	D	D	D	D	D	D	D	D	
3152	Cut and sew apparel manufacturing	4	'2 348	'479	k	D	D	D	D	D	D	D	D	
31521	Cut and sew apparel contractors	6	1 517	242	j	D	D	D	D	D	D	D	D	
315211	Men's and boys' cut and sew apparel contractors	6	134	24	g	D	D	D	D	D	D	D	D	
315212	Women's, girls', and infants' cut and sew apparel contractors	6	1 383	218	j	D	D	D	D	D	D	D	D	
31522	Men's and boys' cut and sew apparel manufacturing	3	117	38	h	D	D	D	D	D	D	D	D	
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	3	57	16	g	D	D	D	D	D	D	D	D	
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing	3	18	4	f	D	D	D	D	D	D	D	251	
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	1	9	7	e	D	D	D	D	D	D	D	D	
315228	Men's and boys' cut and sew other outerwear manufacturing	3	25	9	e	D	D	D	D	D	D	D	D	
31523	Women's and girls' cut and sew apparel manufacturing	3	'556	'173	j	D	D	D	D	D	D	D	D	
315231	Women's and girls' cut and sew lingerie, loungewear, and nightwear manufacturing	2	34	12	h	D	D	D	D	D	D	D	D	
315232	Women's and girls' cut and sew blouse and shirt manufacturing	6	70	21	g	D	D	D	D	D	D	D	3 994	
315233	Women's and girls' cut and sew dress manufacturing	4	'201	'66	i	D	D	D	D	D	D	D	D	
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	2	70	25	g	D	D	D	D	D	D	D	D	
315239	Women's and girls' cut and sew other outerwear manufacturing	3	181	49	i	D	D	D	D	D	D	D	D	

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
315	Apparel manufacturing—Con.											
3152	Cut and sew apparel manufacturing—Con.											
31529	Other cut and sew apparel manufacturing	3	158	26	h	D	D	D	D	D	D	D
315291	Infants' cut and sew apparel manufacturing	3	7	5	e	D	D	D	D	D	D	D
315292	Fur and leather apparel manufacturing	6	82	7	g	D	D	D	D	D	D	D
315299	All other cut and sew apparel manufacturing	2	69	14	g	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing	4	290	61	i	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing	4	290	61	i	D	D	D	D	D	D	D
315991	Hat, cap, and millinery manufacturing	3	67	19	g	D	D	D	D	D	D	D
315993	Men's and boys' neckwear manufacturing	1	38	14	g	D	D	D	D	D	D	D
315999	Other apparel accessories and other apparel manufacturing	5	182	28	h	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	1	163	36	h	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing	3	28	5	f	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing	3	28	5	f	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing	3	28	5	f	D	D	D	D	D	D	D
3162	Footwear manufacturing	1	22	10	f	D	D	D	D	D	D	D
31621	Footwear manufacturing	1	22	10	f	D	D	D	D	D	D	D
316212	House slipper manufacturing	—	2	1	e	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	1	113	21	g	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	1	113	21	g	D	D	D	D	D	D	D
316991	Luggage manufacturing	1	29	8	e	D	D	D	D	D	D	D
316992	Women's handbag and purse manufacturing	1	34	2	e	D	D	D	D	D	D	D
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	—	23	7	f	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	3	27	4	e	D	D	D	D	D	D	D
321	Wood product manufacturing	3	424	83	i	D	D	D	D	D	D	D
3211	Sawmills and wood preservation ..	2	30	3	e	D	D	D	D	D	D	D
32111	Sawmills and wood preservation	2	30	3	e	D	D	D	D	D	D	D
321113	Sawmills	1	25	2	e	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	1	20	14	f	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	1	20	14	f	D	D	D	D	D	D	D
321214	Truss manufacturing	1	11	8	e	D	D	D	D	D	D	D
321219	Reconstituted wood product manufacturing	1	6	4	e	D	D	D	D	D	D	D
3219	Other wood product manufacturing	3	374	66	i	D	D	D	D	D	D	D
32191	Millwork	4	232	43	h	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	2	72	16	g	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	5	141	26	g	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing	3	57	12	f	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing	3	57	12	f	D	D	D	D	D	D	D
32199	All other wood product manufacturing	2	85	11	g	D	D	D	D	D	D	D
321992	Prefabricated wood building manufacturing	2	17	6	f	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	2	67	5	f	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
322	Paper manufacturing	2	426	223	j	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	1	21	16	h	D	D	D	D	D	D	D	D
32212	Paper mills	1	12	9	h	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	1	12	9	h	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	9	7	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	9	7	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	405	207	j	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	185	103	i	D	D	D	D	D	D	D	D
322211	Corrugated and solid fiber box manufacturing	2	105	55	h	D	D	D	D	D	D	D	D
322212	Folding paperboard box manufacturing	2	47	26	h	D	D	D	D	D	D	D	D
322213	Setup paperboard box manufacturing	1	15	10	g	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, and similar products manufacturing	3	14	9	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing	2	102	43	h	D	D	D	D	D	D	D	D
322222	Coated and laminated paper manufacturing	2	65	29	h	D	D	D	D	D	D	D	D
322224	Uncoated paper and multiwall bag manufacturing	—	7	5	f	D	D	D	D	D	D	D	D
322225	Laminated aluminum foil manufacturing for flexible packaging uses	8	7	3	e	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing	1	7	4	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	2	64	31	h	D	D	D	D	D	D	D	D
322231	Die-cut paper and paperboard office supplies manufacturing	4	26	12	g	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	22	14	g	D	D	D	D	D	D	D	D
322233	Stationery, tablet, and related product manufacturing	4	16	5	e	D	D	D	D	D	D	D	1 502
32229	Other converted paper product manufacturing	3	54	30	g	D	D	D	D	D	D	D	D
322291	Sanitary paper product manufacturing	5	16	9	f	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	2	38	21	g	D	D	D	D	D	D	D	D
323	Printing and related support activities	3	'3 309	613	'53 268	'2 179 816	'37 960	'73 328	'1 348 889	'4 760 897	'2 811 792	'7 596 654	'222 275
3231	Printing and related support activities	3	'3 309	613	'53 268	'2 179 816	'37 960	'73 328	'1 348 889	'4 760 897	'2 811 792	'7 596 654	'222 275
32311	Printing	3	2 899	527	k	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	3	1 369	292	k	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	1	37	9	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing	2	68	26	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing	2	301	48	h	D	D	D	D	D	D	D	D
323114	Quick printing	3	'612	'38	h	D	D	D	D	D	D	D	D
323115	Digital printing	1	110	31	g	D	D	D	D	D	D	D	D
323116	Manifold business forms printing	5	47	20	g	D	D	D	D	D	D	D	D
323117	Books printing	3	63	14	g	D	D	D	D	D	D	D	D
323118	Blankbook, looseleaf binders, and devices manufacturing	2	29	15	g	D	D	D	D	D	D	D	D
323119	Other commercial printing	5	'263	'34	h	D	D	D	D	D	D	D	D
32312	Support activities for printing	3	'410	86	i	D	D	D	D	D	D	D	D
323121	Tradebinding and related work	4	127	38	h	D	D	D	D	D	D	D	D
323122	Prepress services	3	'283	48	h	D	D	D	D	D	D	D	D
324	Petroleum and coal products manufacturing	—	116	25	h	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	—	116	25	h	D	D	D	D	D	D	D	D
32411	Petroleum refineries	—	7	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries	—	7	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	—	82	14	g	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing	—	74	10	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing	1	8	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
324	Petroleum and coal products manufacturing—Con.											
3241	Petroleum and coal products manufacturing—Con.											
32419	Other petroleum and coal products manufacturing	—	27	9	f	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	—	24	8	f	D	D	D	D	D	D	D
325	Chemical manufacturing	1	1 104	520	l	D	D	D	D	D	D	D
3251	Basic chemical manufacturing . . .	2	142	84	i	D	D	D	D	D	D	D
32513	Synthetic dye and pigment manufacturing	2	26	14	g	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	—	5	1	e	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	3	21	13	g	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	1	33	20	g	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	1	32	20	g	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	2	69	46	h	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	2	61	42	h	D	D	D	D	D	D	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	41	27	g	D	D	D	D	D	D	D
32521	Resin and synthetic rubber manufacturing	—	41	27	g	D	D	D	D	D	D	D
325211	Plastics material and resin manufacturing	—	37	27	g	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2	37	12	f	D	D	D	D	D	D	D
32531	Fertilizer manufacturing	5	25	7	e	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	5	24	7	e	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	1	12	5	e	D	D	D	D	D	D	D
325320	Pesticide and other agricultural chemical manufacturing	1	12	5	e	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	1	239	137	l	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	1	239	137	l	D	D	D	D	D	D	D
325411	Medicinal and botanical manufacturing	2	53	26	i	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	1	167	98	k	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance manufacturing	—	11	6	h	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) manufacturing	4	8	7	e	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	154	49	h	D	D	D	D	D	D	D
32551	Paint and coating manufacturing	2	94	26	g	D	D	D	D	D	D	D
325510	Paint and coating manufacturing	2	94	26	g	D	D	D	D	D	D	D
32552	Adhesive manufacturing	1	60	23	g	D	D	D	D	D	D	D
325520	Adhesive manufacturing	1	60	23	g	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	1	295	139	j	D	D	D	D	D	D	D
32561	Soap and cleaning compound manufacturing	3	111	39	h	D	D	D	D	D	D	D
325611	Soap and other detergent manufacturing	4	48	16	g	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	1	48	14	f	D	D	D	D	D	D	D
325613	Surface active agent manufacturing	3	15	9	f	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	1	184	100	j	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	1	184	100	j	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)
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
325	Chemical manufacturing—Con.												
3259	Other chemical product and preparation manufacturing	1	196	72	i	D	D	D	D	D	D	D	
32591	Printing ink manufacturing	2	41	14	g	D	D	D	D	D	D	D	
325910	Printing ink manufacturing	2	41	14	g	D	D	D	D	D	D	D	
32592	Explosives manufacturing	2	2	2	e	D	D	D	D	D	D	D	
325920	Explosives manufacturing	2	2	2	e	D	D	D	D	D	D	D	
32599	All other chemical product and preparation manufacturing	1	153	56	h	D	D	D	D	D	D	D	
325991	Custom compounding of purchased resins	—	36	14	g	D	D	D	D	D	D	D	
325992	Photographic film, paper, plate, and chemical manufacturing	—	26	9	g	D	D	D	D	D	D	D	
325998	All other miscellaneous chemical product and preparation manufacturing	2	91	33	g	D	D	D	D	D	D	D	
326	Plastics and rubber products manufacturing	2	'960	'449	'43 538	'1 450 333	'32 361	'65 639	'868 208	'3 634 647	'3 233 702	'6 878 934	'242 652
3261	Plastics product manufacturing	2	'835	'402	k	D	D	D	D	D	D	D	
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	173	93	i	D	D	D	D	D	D	D	
326111	Plastics bag manufacturing	1	65	34	h	D	D	D	D	D	D	D	
326112	Plastics packaging film and sheet (including laminated) manufacturing	—	24	18	g	D	D	D	D	D	D	D	
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	1	84	41	h	D	D	D	D	D	D	D	
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	1	55	30	g	D	D	D	D	D	D	D	
326121	Unlaminated plastics profile shape manufacturing	1	47	23	g	D	D	D	D	D	D	D	
326122	Plastics pipe and pipe fitting manufacturing	2	8	7	e	D	D	D	D	D	D	D	
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	1	26	9	f	D	D	D	D	D	D	D	
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	1	26	9	f	D	D	D	D	D	D	D	
32614	Polystyrene foam product manufacturing	3	27	13	g	D	D	D	D	D	D	D	
326140	Polystyrene foam product manufacturing	3	27	13	g	D	D	D	D	D	D	D	
32615	Urethane and other foam product (except polystyrene) manufacturing	2	'21	'12	f	D	D	D	D	D	D	D	
326150	Urethane and other foam product (except polystyrene) manufacturing	2	'21	'12	f	D	D	D	D	D	D	D	
32616	Plastics bottle manufacturing	1	13	11	g	D	D	D	D	D	D	D	
326160	Plastics bottle manufacturing	1	13	11	g	D	D	D	D	D	D	D	
32619	Other plastics product manufacturing	2	520	234	k	D	D	D	D	D	D	D	
326192	Resilient floor covering manufacturing	—	12	6	f	D	D	D	D	D	D	D	
326199	All other plastics product manufacturing	2	498	225	j	D	D	D	D	D	D	D	
3262	Rubber product manufacturing	2	125	47	h	D	D	D	D	D	D	D	
32621	Tire manufacturing	1	29	2	e	D	D	D	D	D	D	D	
326212	Tire retreading	—	24	2	e	D	D	D	D	D	D	D	
32622	Rubber and plastics hoses and belting manufacturing	3	9	4	f	D	D	D	D	D	D	D	
326220	Rubber and plastics hoses and belting manufacturing	3	9	4	f	D	D	D	D	D	D	D	
32629	Other rubber product manufacturing	2	87	41	h	D	D	D	D	D	D	D	
326291	Rubber product manufacturing for mechanical use	3	38	16	f	D	D	D	D	D	D	D	
326299	All other rubber product manufacturing	1	49	25	h	D	D	D	D	D	D	D	
327	Nonmetallic mineral product manufacturing	3	631	202	j	D	D	D	D	D	D	D	
3271	Clay product and refractory manufacturing	1	56	12	f	D	D	D	D	D	D	D	
32711	Pottery, ceramics, and plumbing fixture manufacturing	—	39	8	f	D	D	D	D	D	D	D	
327113	Porcelain electrical supply manufacturing	—	9	4	e	D	D	D	D	D	D	D	

See footnotes at end of table.

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

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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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
327	Nonmetallic mineral product manufacturing—Con.											
3272	Glass and glass product manufacturing	3	140	36	g	D	D	D	D	D	D	D
32721	Glass and glass product manufacturing	3	140	36	g	D	D	D	D	D	D	D
327212	Other pressed and blown glass and glassware manufacturing	8	29	3	e	D	D	D	D	D	D	D
327215	Glass product manufacturing made of purchased glass ..	3	110	32	g	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	3	260	108	i	D	D	D	D	D	D	D
32732	Ready-mix concrete manufacturing	3	142	65	h	D	D	D	D	D	D	D
327320	Ready-mix concrete manufacturing	3	142	65	h	D	D	D	D	D	D	D
32733	Concrete pipe, brick, and block manufacturing	3	42	21	g	D	D	D	D	D	D	D
327331	Concrete block and brick manufacturing	3	32	16	g	D	D	D	D	D	D	D
327332	Concrete pipe manufacturing	—	10	5	e	D	D	D	D	D	D	D
32739	Other concrete product manufacturing	5	69	20	g	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	5	69	20	g	D	D	D	D	D	D	D
3274	Lime and gypsum product manufacturing	2	13	5	e	D	D	D	D	D	D	D
32742	Gypsum product manufacturing	—	12	4	e	D	D	D	D	D	D	D
327420	Gypsum product manufacturing	—	12	4	e	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product manufacturing	4	162	41	h	D	D	D	D	D	D	D
32791	Abrasive product manufacturing	1	17	7	e	D	D	D	D	D	D	D
327910	Abrasive product manufacturing	1	17	7	e	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product manufacturing	5	145	34	g	D	D	D	D	D	D	D
327991	Cut stone and stone product manufacturing	4	96	18	f	D	D	D	D	D	D	D
327993	Mineral wool manufacturing ..	8	18	8	f	D	D	D	D	D	D	D
327999	All other miscellaneous nonmetallic mineral product manufacturing	2	22	6	e	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	'277	'123	j	D	D	D	D	D	D	D
3311	Iron and steel mills and ferroalloy manufacturing	—	6	4	f	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	6	4	f	D	D	D	D	D	D	D
331111	Iron and steel mills	—	6	4	f	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	28	14	g	D	D	D	D	D	D	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	7	6	f	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	7	6	f	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	21	8	f	D	D	D	D	D	D	D
331221	Rolled steel shape manufacturing	—	5	2	e	D	D	D	D	D	D	D
331222	Steel wire drawing	—	16	6	f	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	1	21	9	g	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ..	1	21	9	g	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, and foil manufacturing	1	5	3	e	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	1	5	4	f	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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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
331 3314	Primary metal manufacturing—Con. Nonferrous metal (except aluminum) production and processing	1	127	54	h	D	D	D	D	D	D	D	
33141	Nonferrous metal (except aluminum) smelting and refining	2	30	6	f	D	D	D	D	D	D	D	
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2	30	6	f	D	D	D	D	D	D	D	
33142	Copper rolling, drawing, extruding, and alloying	2	31	19	g	D	D	D	D	D	D	D	
331421	Copper rolling, drawing, and extruding	2	17	13	g	D	D	D	D	D	D	D	
331422	Copper wire (except mechanical) drawing	1	10	4	e	D	D	D	D	D	D	D	
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	66	29	h	D	D	D	D	D	D	D	
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	36	17	g	D	D	D	D	D	D	D	
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	—	30	12	f	D	D	D	D	D	D	D	
3315	Foundries	3	95	42	h	D	D	D	D	D	D	D	
33151	Ferrous metal foundries	3	18	7	g	D	D	D	D	D	D	D	
331511	Iron foundries	7	11	3	i	D	D	D	D	D	D	D	
331512	Steel investment foundries ..	—	5	4	f	D	D	D	D	D	D	D	
33152	Nonferrous metal foundries ..	2	77	35	g	D	D	D	D	D	D	D	
331522	Nonferrous (except aluminum) die-casting foundries	2	26	13	f	D	D	D	D	D	D	D	
331524	Aluminum foundries (except die-casting)	3	18	7	e	D	D	D	D	D	D	D	
332	Fabricated metal product manufacturing	2	3 466	821	73 880	2 839 779	52 430	104 673	1 676 533	6 342 890	4 461 028	10 771 436	329 774
3321	Forging and stamping	2	254	96	i	D	D	D	D	D	D	D	
33211	Forging and stamping	2	254	96	i	D	D	D	D	D	D	D	
332111	Iron and steel forging	6	13	3	e	D	D	D	D	D	D	D	
332114	Custom roll forming	4	15	8	e	D	D	D	D	D	D	D	
332115	Crown and closure manufacturing	1	10	5	e	D	D	D	D	D	D	D	
332116	Metal stamping	2	208	75	i	D	D	D	D	D	D	D	
332117	Powder metallurgy part manufacturing	4	7	4	f	D	D	D	D	D	D	D	
3322	Cutlery and handtool manufacturing	—	104	37	h	D	D	D	D	D	D	D	
33221	Cutlery and handtool manufacturing	—	104	37	h	D	D	D	D	D	D	D	
332211	Cutlery and flatware (except precious) manufacturing ..	—	11	6	g	D	D	D	D	D	D	D	
332212	Hand and edge tool manufacturing	1	76	25	h	D	D	D	D	D	D	D	
332213	Saw blade and handsaw manufacturing	—	8	3	f	D	D	D	D	D	D	D	
3323	Architectural and structural metals manufacturing	3	850	219	j	D	D	D	D	D	D	D	
33231	Plate work and fabricated structural product manufacturing	2	204	39	h	D	D	D	D	D	D	D	
332311	Prefabricated metal building and component manufacturing	4	25	6	e	D	D	D	D	D	D	D	
332312	Fabricated structural metal manufacturing	2	150	29	g	D	D	D	D	D	D	D	
33232	Ornamental and architectural metal products manufacturing	3	646	180	j	D	D	D	D	D	D	D	
332321	Metal window and door manufacturing	3	124	54	i	D	D	D	D	D	D	D	
332322	Sheet metal work manufacturing	2	308	89	i	D	D	D	D	D	D	D	
332323	Ornamental and architectural metal work manufacturing ..	3	214	37	h	D	D	D	D	D	D	D	

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

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NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
332	Fabricated metal product manufacturing—Con.													
3324	Boiler, tank, and shipping container manufacturing	2	71	32	h	D	D	D	D	D	D	D	D	
33241	Power boiler and heat exchanger manufacturing	4	18	10		748	35 800	501	1 082	18 791	78 477	44 650	124 167	
332410	Power boiler and heat exchanger manufacturing ..	4	18	10		748	35 800	501	1 082	18 791	78 477	44 650	124 167	
33242	Metal tank (heavy gauge) manufacturing	2	26	10	f	D	D	D	D	D	D	D	D	
332420	Metal tank (heavy gauge) manufacturing	2	26	10	f	D	D	D	D	D	D	D	D	
33243	Metal can, box, and other metal container (light gauge) manufacturing	1	27	12	g	D	D	D	D	D	D	D	D	
332431	Metal can manufacturing	—	8	6	f	D	D	D	D	D	D	D	D	
332439	Other metal container manufacturing	4	19	6	e	D	D	D	D	D	D	D	D	
3325	Hardware manufacturing	2	64	24	g	D	D	D	D	D	D	D	D	
33251	Hardware manufacturing	2	64	24	g	D	D	D	D	D	D	D	D	
332510	Hardware manufacturing	2	64	24	g	D	D	D	D	D	D	D	D	
3326	Spring and wire product manufacturing	3	133	37	h	D	D	D	D	D	D	D	D	
33261	Spring and wire product manufacturing	3	133	37	h	D	D	D	D	D	D	D	D	
332612	Spring (light gauge) manufacturing	5	16	2	e	D	D	D	D	D	D	D	D	
332618	Other fabricated wire product manufacturing	3	114	35	h	D	D	D	D	D	D	D	D	
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	1 305	180	j	D	D	D	D	D	D	D	D	
33271	Machine shops	4	1 017	94	i	D	D	D	D	D	D	D	D	
332710	Machine shops	4	1 017	94	i	D	D	D	D	D	D	D	D	
33272	Turned product and screw, nut, and bolt manufacturing	2	288	86	i	D	D	D	D	D	D	D	D	
332721	Precision turned product manufacturing	2	217	63	h	D	D	D	D	D	D	D	D	
332722	Bolt, nut, screw, rivet, and washer manufacturing	3	71	23	g	D	D	D	D	D	D	D	D	
3328	Coating, engraving, heat treating, and allied activities	1	329	84	i	D	D	D	D	D	D	D	D	
33281	Coating, engraving, heat treating, and allied activities ..	1	329	84	i	D	D	D	D	D	D	D	D	
332811	Metal heat treating	1	35	15	f	D	D	D	D	D	D	D	D	
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	118	30	g	D	D	D	D	D	D	D	D	
332813	Electroplating, plating, polishing, anodizing, and coloring	1	176	39	h	D	D	D	D	D	D	D	D	
3329	Other fabricated metal product manufacturing	2	356	112	j	D	D	D	D	D	D	D	D	
33291	Metal valve manufacturing	—	69	31	i	D	D	D	D	D	D	D	D	
332911	Industrial valve manufacturing	—	27	15	h	D	D	D	D	D	D	D	D	
332912	Fluid power valve and hose fitting manufacturing	1	18	8	g	D	D	D	D	D	D	D	D	
332913	Plumbing fixture fitting and trim manufacturing	1	15	6	g	D	D	D	D	D	D	D	D	
33299	All other fabricated metal product manufacturing	4	287	81	i	D	D	D	D	D	D	D	D	
332991	Ball and roller bearing manufacturing	7	19	10	g	D	D	D	D	D	D	D	D	
332994	Small arms manufacturing ...	—	10	5	f	D	D	D	D	D	D	D	D	
332995	Other ordnance and accessories manufacturing .	9	4	2	e	D	D	D	D	D	D	D	D	
332996	Fabricated pipe and pipe fitting manufacturing	3	33	11		739	28 533	505	1 074	16 943	66 219	48 285	114 152	
332999	All other miscellaneous fabricated metal product manufacturing	2	185	50	h	D	D	D	D	D	D	D	D	
333	Machinery manufacturing	2	1 490	441	'41	305	'1 830 042	'23 197	'45 224	'801 287	'4 666 474	'3 231 729	'7 982 874	'224 954
3331	Agriculture, construction, and mining machinery manufacturing	6	34	8	e	D	D	D	D	D	D	D	D	

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

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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
333	Machinery manufacturing—Con.											
3332	Industrial machinery manufacturing	3	'302	'96	i	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing	2	23	7	f	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing . .	2	23	7	f	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	3	'269	'86	i	D	D	D	D	D	D	D
333291	Paper industry machinery manufacturing	4	'23	'5	e	D	D	D	D	D	D	D
333292	Textile machinery manufacturing	7	34	2	e	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing . .	—	56	21	g	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing	5	25	16	h	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	3	108	40	h	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	—	'164	'67	i	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	—	'164	'67	i	D	D	D	D	D	D	D
333313	Office machinery manufacturing	—	9	7	h	D	D	D	D	D	D	D
333314	Optical instrument and lens manufacturing	1	43	17	g	D	D	D	D	D	D	D
333315	Photographic and photocopying equipment manufacturing	1	'30	'12	g	D	D	D	D	D	D	D
333319	Other commercial and service industry machinery manufacturing	5	71	27	g	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	86	38	i	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	2	86	38	i	D	D	D	D	D	D	D
333411	Air purification equipment manufacturing	5	11	3	e	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing . .	1	7	5	e	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	6	30	12	g	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	1	38	18	h	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	2	'471	'76	i	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	2	'471	'76	i	D	D	D	D	D	D	D
333511	Industrial mold manufacturing	1	'138	'21	g	D	D	D	D	D	D	D
333512	Machine tool (metal cutting types) manufacturing	2	13	5	f	D	D	D	D	D	D	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	188	18	g	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing . . .	3	100	19	g	D	D	D	D	D	D	D
333518	Other metalworking machinery manufacturing . .	3	23	9	e	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	4	43	19	g	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	4	43	19	g	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing	5	19	8	f	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	8	10	4	e	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
333	Machinery manufacturing—Con.											
3339	Other general purpose machinery manufacturing	2	'390	'137	j	D	D	D	D	D	D	D
33391	Pump and compressor manufacturing	2	48	17	g	D	D	D	D	D	D	D
333911	Pump and pumping equipment manufacturing ..	2	24	7	e	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	2	21	8	g	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	3	85	35	h	D	D	D	D	D	D	D
333921	Elevator and moving stairway manufacturing	3	28	13	f	D	D	D	D	D	D	D
333922	Conveyor and conveying equipment manufacturing ..	1	31	14	g	D	D	D	D	D	D	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	5	14	7	e	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	'257	'85	i	D	D	D	D	D	D	D
333993	Packaging machinery manufacturing	1	62	21	g	D	D	D	D	D	D	D
333994	Industrial process furnace and oven manufacturing ...	1	'26	'10	f	D	D	D	D	D	D	D
333995	Fluid power cylinder and actuator manufacturing	1	16	9	f	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	1	128	36	h	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	1 224	478	l	D	D	D	D	D	D	D
3341	Computer and peripheral equipment manufacturing	1	'82	'15	g	D	D	D	D	D	D	D
33411	Computer and peripheral equipment manufacturing	1	'82	'15	g	D	D	D	D	D	D	D
334113	Computer terminal manufacturing	—	8	4	e	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	1	'43	'9	f	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	3	180	85	j	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	5	50	24	h	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	5	50	24	h	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	4	89	49	i	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	4	89	49	i	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing	—	41	12	h	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	41	12	h	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	'3	'44	'5	f	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	'3	'44	'5	f	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	'3	'44	'5	f	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	—	390	186	k	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	—	390	186	k	D	D	D	D	D	D	D
334411	Electron tube manufacturing ..	1	10	5	e	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	—	48	17	h	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	—	75	34	j	D	D	D	D	D	D	D
334414	Electronic capacitor manufacturing	—	10	7	g	D	D	D	D	D	D	D
334415	Electronic resistor manufacturing	5	7	4	e	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	1	29	12	f	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	1	29	15	g	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	46	29	j	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
334	Computer and electronic product manufacturing—Con.											
3344	Semiconductor and other electronic component manufacturing—Con.											
33441	Semiconductor and other electronic component manufacturing—Con.											
334419	Other electronic component manufacturing	1	136	63	i	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	426	161	j	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	426	161	j	D	D	D	D	D	D	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	4	45	23	h	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	64	23	i	D	D	D	D	D	D	D
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	4	27	10	f	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2	78	28	h	D	D	D	D	D	D	D
334514	Totalizing fluid meter and counting device manufacturing	3	24	6	e	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2	54	18	g	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	1	43	16	h	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing	2	18	9	f	D	D	D	D	D	D	D
334518	Watch, clock, and part manufacturing	—	20	7	e	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	53	21	h	D	D	D	D	D	D	D
3346	Manufacturing and reproducing magnetic and optical media	3	102	26	g	D	D	D	D	D	D	D
33461	Manufacturing and reproducing magnetic and optical media ...	3	102	26	g	D	D	D	D	D	D	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	3	74	20	g	D	D	D	D	D	D	D
334613	Magnetic and optical recording media manufacturing	3	18	4	e	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	3	'563	'241	j	D	D	D	D	D	D	D
3351	Electric lighting equipment manufacturing	2	163	67	i	D	D	D	D	D	D	D
33511	Electric lamp bulb and part manufacturing	1	7	5	f	D	D	D	D	D	D	D
335110	Electric lamp bulb and part manufacturing	1	7	5	f	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	2	156	62	h	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	2	63	19	g	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	1	54	28	h	D	D	D	D	D	D	D
335129	Other lighting equipment manufacturing	3	39	15	g	D	D	D	D	D	D	D
3352	Household appliance manufacturing	7	13	4	f	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	7	12	4	f	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	7	10	3	e	D	D	D	D	D	D	D

See footnotes at end of table.

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

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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.											
335	Electrical equipment, appliance, and component manufacturing—Con.											
3353	Electrical equipment manufacturing	4	'183	'69	i	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	4	'183	'69	i	D	D	D	D	D	D	D
335311	Power, distribution, and specialty transformer manufacturing	7	26	9	f	D	D	D	D	D	D	D
335312	Motor and generator manufacturing	1	'34	'15	g	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing	4	37	19	g	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	6	86	26	h	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	2	204	101	j	D	D	D	D	D	D	D
33591	Battery manufacturing	—	10	6	f	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	9	5	f	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing	2	49	27	g	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing	2	44	24	g	D	D	D	D	D	D	D
33593	Wiring device manufacturing	1	55	29	h	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	1	44	23	h	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	2	11	6	f	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	2	90	39	h	D	D	D	D	D	D	D
335991	Carbon and graphite product manufacturing	2	10	7	f	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing	3	80	32	h	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	421	144	k	D	D	D	D	D	D	D
3361	Motor vehicle manufacturing	—	13	5	h	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	12	5	h	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	5	3	h	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	6	32	9	f	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	6	32	9	f	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	5	24	7	f	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	1	209	67	i	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	1	47	12	g	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	1	42	11	g	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	1	49	14	g	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	1	40	11	g	D	D	D	D	D	D	D
33634	Motor vehicle brake system manufacturing	1	10	3	e	D	D	D	D	D	D	D
336340	Motor vehicle brake system manufacturing	1	10	3	e	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	22	6	f	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	22	6	f	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	12	9	f	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	12	9	f	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	2	17	7	e	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	2	17	7	e	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	2	45	13	g	D	D	D	D	D	D	D
336399	All other motor vehicle parts manufacturing	2	45	13	g	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
336	Transportation equipment manufacturing—Con.												
3364	Aerospace product and parts manufacturing	1	91	47	j	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	1	91	47	j	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	—	11	7	i	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	26	16	h	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	3	50	22	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
33651	Railroad rolling stock manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
336510	Railroad rolling stock manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
3366	Ship and boat building	4	53	9	f	D	D	D	D	D	D	D	D
33661	Ship and boat building	4	53	9	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	5	29	6	f	D	D	D	D	D	D	D	D
336612	Boat building	2	24	3	e	D	D	D	D	D	D	D	D
3369	Other transportation equipment manufacturing	2	19	5	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment manufacturing	2	19	5	e	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, and parts manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	4	'1 642	284	j	D	D	D	D	D	D	D	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	4	1 175	140	j	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet and countertop manufacturing	4	636	48	i	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet and countertop manufacturing ..	4	636	48	i	D	D	D	D	D	D	D	D
33712	Household and institutional furniture manufacturing	5	539	92	i	D	D	D	D	D	D	D	D
337121	Upholstered household furniture manufacturing	6	120	24	g	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture manufacturing	4	320	47	h	D	D	D	D	D	D	D	D
337124	Metal household furniture manufacturing	5	26	6	e	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	4	53	13	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) manufacturing	2	'370	113	i	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) manufacturing	2	'370	113	i	D	D	D	D	D	D	D	D
337211	Wood office furniture manufacturing	3	40	13	f	D	D	D	D	D	D	D	D
337212	Custom architectural woodwork and millwork manufacturing	2	'157	37	h	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	3	155	62	h	D	D	D	D	D	D	D	D
3379	Other furniture related product manufacturing	4	97	31		3 390	103 030	2 540	5 071	61 831	306 533	270 473	576 850
33791	Mattress manufacturing	5	32	13	g	D	D	D	D	D	D	D	D
337910	Mattress manufacturing	5	32	13	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing	3	65	18	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing	3	65	18	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	'3 006	'629	l	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	1	960	188	k	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	1	960	188	k	D	D	D	D	D	D	D	D
339111	Laboratory apparatus and furniture manufacturing	—	46	23	g	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	2	110	43	i	D	D	D	D	D	D	D	D
339113	Surgical appliance and supplies manufacturing	—	138	54	j	D	D	D	D	D	D	D	D
339114	Dental equipment and supplies manufacturing	5	68	17	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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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
339	Miscellaneous manufacturing—Con.												
3391	Medical equipment and supplies manufacturing—Con.												
33911	Medical equipment and supplies manufacturing—Con.												
339115	Ophthalmic goods manufacturing	3	36	11	f	D	D	D	D	D	D	D	
339116	Dental laboratories	5	562	40	h	D	D	D	D	D	D	D	
3399	Other miscellaneous manufacturing	3	'2 046	'441	k	D	D	D	D	D	D	D	
33991	Jewelry and silverware manufacturing	2	786	151	j	D	D	D	D	D	D	D	
339911	Jewelry (except costume) manufacturing	2	565	110	j	D	D	D	D	D	D	D	
339912	Silverware and hollowware manufacturing	5	24	5	e	D	D	D	D	D	D	D	
339913	Jewelers' material and lapidary work manufacturing	2	96	19	g	D	D	D	D	D	D	D	
339914	Costume jewelry and novelty manufacturing	3	101	17	g	D	D	D	D	D	D	D	
33992	Sporting and athletic goods manufacturing	3	68	18	g	D	D	D	D	D	D	D	
339920	Sporting and athletic goods manufacturing	3	68	18	g	D	D	D	D	D	D	D	
33993	Doll, toy, and game manufacturing	1	'64	'14	g	D	D	D	D	D	D	D	
339931	Doll and stuffed toy manufacturing	'1	'20	'4	e	D	D	D	D	D	D	D	
339932	Game, toy, and children's vehicle manufacturing	1	44	10	f	D	D	D	D	D	D	D	
33994	Office supplies (except paper) manufacturing	7	88	22	h	D	D	D	D	D	D	D	
339941	Pen and mechanical pencil manufacturing	8	25	12	g	D	D	D	D	D	D	D	
339942	Lead pencil and art good manufacturing	1	16	3	e	D	D	D	D	D	D	D	
339943	Marking device manufacturing	2	40	5	e	D	D	D	D	D	D	D	
33995	Sign manufacturing	2	'445	'83	i	D	D	D	D	D	D	D	
339950	Sign manufacturing	2	'445	'83	i	D	D	D	D	D	D	D	
33999	All other miscellaneous manufacturing	3	595	153	j	D	D	D	D	D	D	D	
339991	Gasket, packing, and sealing device manufacturing	2	41	19	g	D	D	D	D	D	D	D	
339992	Musical instrument manufacturing	—	52	7	g	D	D	D	D	D	D	D	
339993	Fastener, button, needle, and pin manufacturing	2	45	14	g	D	D	D	D	D	D	D	
339994	Broom, brush, and mop manufacturing	4	31	11	f	D	D	D	D	D	D	D	
339999	All other miscellaneous manufacturing	3	421	101	i	D	D	D	D	D	D	D	
Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area													
31-33	Manufacturing	2	1 164	348	54 168	2 633 787	29 386	55 219	1 017 117	9 458 645	4 469 882	13 928 159	420 323
311	Food manufacturing	—	77	12	2 121	82 265	1 176	2 540	41 660	524 006	191 898	715 735	3 821
3118	Bakeries and tortilla manufacturing	—	53	6	1 583	57 974	906	2 013	34 167	473 695	117 730	591 284	D
31181	Bread and bakery product manufacturing	—	51	5	g	D	D	D	D	D	D	D	1 735
311811	Retail bakeries	3	38	1	e	D	D	D	D	D	D	D	488
311812	Commercial bakeries	—	13	4	g	D	D	D	D	D	D	D	1 247
312	Beverage and tobacco product manufacturing	9	6	2	294	9 556	138	276	3 750	38 274	15 435	53 574	D
3121	Beverage manufacturing	9	6	2	294	9 556	138	276	3 750	38 274	15 435	53 574	D
313	Textile mills	—	12	5	493	18 580	384	848	11 689	42 182	45 759	86 971	2 179
3132	Fabric mills	—	9	3	335	9 640	276	589	6 374	20 308	22 418	42 010	D
31323	Nonwoven fabric mills	—	2	1	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	—	2	1	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing	8	19	5	490	11 549	378	756	7 658	38 569	35 783	85 628	D
3159	Apparel accessories and other apparel manufacturing	7	10	2	e	D	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing	7	10	2	e	D	D	D	D	D	D	D	D
315999	Other apparel accessories and other apparel manufacturing	7	8	2	e	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area—Con.												
316	Leather and allied product manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	-	3	1	e	D	D	D	D	D	D	D	D
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	18	6	352	12 227	262	468	7 379	19 699	20 393	40 238	688
3219	Other wood product manufacturing	5	16	5	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	4	11	7	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	4	11	7	e	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	4	7	5	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	'160	'30	'2 210	'91 212	'1 546	'3 028	'52 678	'179 774	'111 743	'292 147	'7 339
3231	Printing and related support activities	2	'160	'30	'2 210	'91 212	'1 546	'3 028	'52 678	'179 774	'111 743	'292 147	'7 339
32311	Printing	2	'142	'27	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	71	19	1 311	56 890	907	1 845	33 131	108 597	81 071	189 920	5 246
323113	Commercial screen printing ..	2	13	3	253	9 408	179	335	5 102	19 119	15 110	34 380	534
325	Chemical manufacturing	5	53	21	4 426	347 641	1 654	3 690	60 227	3 153 367	498 117	3 642 406	68 803
3251	Basic chemical manufacturing ...	-	9	8	f	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	9	6	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	9	6	3	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	9	4	3	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	16	8	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	-	12	7	1 618	67 498	832	1 801	22 107	1 174 657	177 614	1 367 491	17 926
325620	Toilet preparation manufacturing	-	12	7	1 618	67 498	832	1 801	22 107	1 174 657	177 614	1 367 491	17 926
3259	Other chemical product and preparation manufacturing	-	14	2	332	16 997	128	271	5 423	136 967	118 690	255 020	D
326	Plastics and rubber products manufacturing	2	50	23	3 031	113 969	2 317	4 675	76 318	273 436	221 479	490 436	18 427
3261	Plastics product manufacturing ..	2	43	18	2 666	99 225	2 104	4 201	66 410	223 524	196 776	415 723	17 496
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	-	6	4	582	28 951	384	882	16 730	84 854	62 607	143 285	D
326112	Plastics packaging film and sheet (including laminated) manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	-	4	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	33	14	2 059	69 392	1 701	3 281	49 055	136 470	131 723	267 792	11 276
326199	All other plastics product manufacturing	3	32	14	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	2	7	5	365	14 744	213	474	9 908	49 912	24 703	74 713	931
32629	Other rubber product manufacturing	2	7	5	365	14 744	213	474	9 908	49 912	24 703	74 713	931
327	Nonmetallic mineral product manufacturing	1	28	9	407	17 205	301	636	12 569	48 561	36 228	83 923	1 484
3273	Cement and concrete product manufacturing	1	17	7	301	12 839	207	436	8 974	38 297	29 367	67 539	1 404

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing	1	16	4	411	20 732	275	541	11 545	44 250	82 842	129 036	D
3314	Nonferrous metal (except aluminum) production and processing	1	9	2	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	6	2	e	D	D	D	D	D	D	D	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	1	5	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	3	192	57	4 599	184 130	3 395	6 801	108 273	423 018	237 554	663 550	17 358
3321	Forging and stamping	3	12	7	463	16 023	353	696	9 996	33 322	14 946	48 442	678
33211	Forging and stamping	3	12	7	463	16 023	353	696	9 996	33 322	14 946	48 442	678
332116	Metal stamping	3	10	6	e	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	5	3	387	14 800	300	576	7 239	47 412	41 577	89 584	D
33221	Cutlery and handtool manufacturing	—	5	3	387	14 800	300	576	7 239	47 412	41 577	89 584	D
3323	Architectural and structural metals manufacturing	3	42	13	788	30 598	534	1 062	15 143	70 774	41 172	112 907	1 803
33232	Ornamental and architectural metal products manufacturing	3	29	10	625	24 123	418	820	11 360	55 508	31 116	87 567	1 357
332322	Sheet metal work manufacturing	5	16	5	321	10 777	228	485	6 536	24 748	8 341	33 263	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	74	7	861	37 728	605	1 223	22 204	76 362	29 618	106 018	3 229
33271	Machine shops	2	58	—	302	14 299	225	420	8 853	28 357	8 631	36 793	D
332710	Machine shops	2	58	—	302	14 299	225	420	8 853	28 357	8 631	36 793	D
33272	Turned product and screw, nut, and bolt manufacturing	—	16	7	559	23 429	380	803	13 351	48 005	20 987	69 225	D
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	4	3	359	15 247	241	534	7 645	31 981	15 661	48 012	1 492
3328	Coating, engraving, heat treating, and allied activities	1	31	11	560	20 643	435	840	13 882	35 638	15 364	52 709	2 096
33281	Coating, engraving, heat treating, and allied activities ..	1	31	11	560	20 643	435	840	13 882	35 638	15 364	52 709	2 096
332813	Electroplating, plating, polishing, anodizing, and coloring	2	15	5	e	D	D	D	D	D	D	D	1 436
3329	Other fabricated metal product manufacturing	5	18	10	1 275	54 198	977	1 999	33 875	134 150	78 026	211 874	5 630
33291	Metal valve manufacturing	—	4	3	357	10 536	296	582	6 610	45 286	41 063	85 829	2 416
33299	All other fabricated metal product manufacturing	8	14	7	918	43 662	681	1 417	27 265	88 864	36 963	126 045	3 214
332991	Ball and roller bearing manufacturing	9	3	3	730	36 252	553	1 164	23 259	73 489	27 585	101 600	D
333	Machinery manufacturing	2	106	41	8 649	414 470	3 350	6 523	145 659	1 482 847	781 355	2 342 929	82 742
3332	Industrial machinery manufacturing	8	11	6	1 967	101 635	1 035	2 111	46 507	325 163	55 888	466 140	D
33329	Other industrial machinery manufacturing	8	10	6	g	D	D	D	D	D	D	D	D
333293	Printing machinery and equipment manufacturing ..	—	1	1	e	D	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing	9	5	3	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	—	20	10	h	D	D	D	D	D	D	D	28 339
33331	Commercial and service industry machinery manufacturing	—	20	10	h	D	D	D	D	D	D	D	28 339
333313	Office machinery manufacturing	—	4	4	h	D	D	D	D	D	D	D	D

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

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NAICS code	Geographic area and industry	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	4	47	12	1 137	52 334	657	1 407	30 121	83 447	46 762	128 276	D
33351	Metalworking machinery manufacturing	4	47	12	1 137	52 334	657	1 407	30 121	83 447	46 762	128 276	D
333514	Special die and tool, die set, jig, and fixture manufacturing	7	18	4	402	20 196	283	590	13 153	28 201	15 579	44 021	953
3339	Other general purpose machinery manufacturing	5	22	10	654	33 074	331	699	11 829	75 211	69 321	148 762	D
33391	Pump and compressor manufacturing	9	6	3	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	—	13	6	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	115	53	8 786	478 394	3 630	7 112	137 712	863 796	659 072	1 514 937	50 848
3342	Communications equipment manufacturing	6	20	12	1 030	56 040	441	901	13 778	112 584	107 111	218 034	2 991
33421	Telephone apparatus manufacturing	6	10	5	393	22 521	68	133	3 184	46 260	29 340	74 055	962
334210	Telephone apparatus manufacturing	6	10	5	393	22 521	68	133	3 184	46 260	29 340	74 055	962
33422	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	7	637	33 519	373	768	10 594	66 324	77 771	143 979	2 029
334220	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	7	637	33 519	373	768	10 594	66 324	77 771	143 979	2 029
3344	Semiconductor and other electronic component manufacturing	—	34	15	1 907	88 620	1 088	2 225	38 030	160 182	111 840	268 060	27 230
33441	Semiconductor and other electronic component manufacturing	—	34	15	1 907	88 620	1 088	2 225	38 030	160 182	111 840	268 060	27 230
334413	Semiconductor and related device manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
334414	Electronic capacitor manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	—	10	6	697	32 563	426	767	14 374	54 591	34 796	90 553	2 079
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	49	24	5 698	327 585	2 051	3 894	84 439	580 326	430 619	1 008 606	20 307
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	49	24	5 698	327 585	2 051	3 894	84 439	580 326	430 619	1 008 606	20 307
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	—	4	2	e	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	15	8	1 186	60 236	562	1 185	21 354	124 938	77 695	197 796	3 133
334516	Analytical laboratory instrument manufacturing ..	—	5	3	g	D	D	D	D	D	D	D	D
334517	Irradiation apparatus manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	9	2	304	16 977	82	187	5 267	51 556	7 247	60 786	458
335	Electrical equipment, appliance, and component manufacturing	2	46	19	2 453	83 193	1 653	3 124	42 947	257 957	138 486	395 073	7 648
3353	Electrical equipment manufacturing	2	18	8	870	30 939	558	914	16 297	73 130	72 749	145 106	2 997
33531	Electrical equipment manufacturing	2	18	8	870	30 939	558	914	16 297	73 130	72 749	145 106	2 997
335314	Relay and industrial control manufacturing	1	8	2	405	13 100	230	261	5 979	25 780	12 785	38 586	787

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing	1	20	10	1 415	47 863	940	1 915	23 003	140 879	58 676	200 630	D
33593	Wiring device manufacturing	1	5	3	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	1	5	3	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	1	11	6	933	30 319	592	1 180	13 291	99 298	30 155	131 595	542
335999	All other miscellaneous electrical equipment and component manufacturing	1	11	6	933	30 319	592	1 180	13 291	99 298	30 155	131 595	542
336	Transportation equipment manufacturing	1	29	17	9 845	534 825	5 179	6 925	192 458	1 558 440	905 671	2 387 592	D
3363	Motor vehicle parts manufacturing	—	11	7	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	1	11	7	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	1	11	7	i	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	1	4	3	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	81	11	813	27 699	600	1 163	16 769	60 579	34 412	94 059	9 448
3371	Household and institutional furniture and kitchen cabinet manufacturing	4	60	5	479	14 382	370	730	9 707	31 665	19 198	48 413	1 278
33711	Wood kitchen cabinet and countertop manufacturing	3	43	4	377	11 874	282	577	7 812	26 694	13 498	37 740	1 106
337110	Wood kitchen cabinet and countertop manufacturing	3	43	4	377	11 874	282	577	7 812	26 694	13 498	37 740	1 106
339	Miscellaneous manufacturing	1	105	21	3 674	140 924	2 398	4 626	65 666	310 643	321 556	638 300	30 605
3391	Medical equipment and supplies manufacturing	2	52	13	2 109	97 162	1 311	2 506	45 248	217 612	241 740	466 571	19 357
33911	Medical equipment and supplies manufacturing	2	52	13	2 109	97 162	1 311	2 506	45 248	217 612	241 740	466 571	19 357
339111	Laboratory apparatus and furniture manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing	3	11	4	963	44 683	652	1 310	22 814	102 081	84 667	195 484	7 565
339113	Surgical appliance and supplies manufacturing	1	8	3	425	17 938	243	322	3 818	49 543	38 118	88 266	3 864
3399	Other miscellaneous manufacturing	1	53	8	1 565	43 762	1 087	2 120	20 418	93 031	79 816	171 729	11 248
33995	Sign manufacturing	—	24	4	1 257	34 238	861	1 703	15 997	74 279	67 779	141 986	10 877
339950	Sign manufacturing	—	24	4	1 257	34 238	861	1 703	15 997	74 279	67 779	141 986	10 877
	Kingston, NY Metropolitan Statistical Area												
31-33	Manufacturing	1	211	52	5 574	193 512	4 029	7 609	115 336	450 597	367 166	822 320	18 328
321	Wood product manufacturing	1	11	2	270	7 783	218	300	5 380	12 597	15 451	27 979	134
323	Printing and related support activities	1	18	5	597	19 291	543	1 021	17 206	46 588	39 465	87 787	2 164
3231	Printing and related support activities	1	18	5	597	19 291	543	1 021	17 206	46 588	39 465	87 787	2 164
32311	Printing	1	17	5	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	3	1	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	4	2	e	D	D	D	D	D	D	D	1 823
3259	Other chemical product and preparation manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
32592	Explosives manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
325920	Explosives manufacturing	—	1	1	e	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
Kingston, NY Metropolitan Statistical Area—Con.													
326	Plastics and rubber products manufacturing	7	6	4	258	8 764	167	355	4 117	40 750	51 587	92 205	2 727
3261	Plastics product manufacturing ..	7	6	4	258	8 764	167	355	4 117	40 750	51 587	92 205	2 727
327	Nonmetallic mineral product manufacturing	—	8	4	350	13 532	258	480	8 112	22 876	19 187	42 054	1 022
331	Primary metal manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	—	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	33	6	855	27 778	688	1 383	16 671	50 849	25 616	77 953	1 477
3322	Cutlery and handtool manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	—	17	9	786	35 544	499	1 004	19 818	73 845	33 515	107 215	1 071
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
333412	Industrial and commercial fan and blower manufacturing ..	—	2	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	7	4	331	10 175	225	330	4 833	23 969	22 708	46 996	2 999
337	Furniture and related product manufacturing	1	22	2	262	7 599	192	336	4 440	14 387	10 518	25 354	1 682
New Haven-Milford, CT Metropolitan Statistical Area													
31-33	Manufacturing	2	1 455	442	48 872	2 074 660	29 676	60 609	1 024 098	5 367 899	4 105 252	9 632 100	306 034
311	Food manufacturing	4	93	25	3 092	97 109	2 045	4 112	61 196	302 722	268 059	572 050	14 056
3113	Sugar and confectionery product manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate ...	—	3	2	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate ..	—	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	5	54	9	1 564	43 325	854	1 806	24 083	87 794	72 341	161 364	2 969
31181	Bread and bakery product manufacturing	7	52	7	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	4	38	3	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries	9	12	3	840	23 656	434	1 011	11 750	42 260	23 712	65 984	D
31182	Cookie, cracker, and pasta manufacturing	3	2	2	e	D	D	D	D	D	D	D	D
313	Textile mills	4	6	5	259	10 940	187	409	5 387	25 605	27 472	53 398	593
321	Wood product manufacturing	3	31	5	343	11 274	266	550	7 846	17 645	23 177	40 953	977
3219	Other wood product manufacturing	2	27	4	277	9 448	212	452	6 621	15 927	18 310	34 335	D
322	Paper manufacturing	2	34	20	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	3	32	19	1 401	53 430	1 015	2 080	30 732	124 510	142 143	263 796	6 673
32221	Paperboard container manufacturing	3	15	9	830	33 414	592	1 225	18 387	69 275	91 835	160 727	3 431
322211	Corrugated and solid fiber box manufacturing	3	9	5	423	20 226	267	575	9 674	42 976	53 809	96 623	D
32229	Other converted paper product manufacturing	1	6	5	e	D	D	D	D	D	D	D	D
322299	All other converted paper product manufacturing	1	6	5	e	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New Haven-Milford, CT Metropolitan Statistical Area—Con.												
323	Printing and related support activities	2	148	26	2 250	95 772	1 756	3 667	67 692	175 127	118 529	312 991	7 874
3231	Printing and related support activities	2	148	26	2 250	95 772	1 756	3 667	67 692	175 127	118 529	312 991	7 874
32311	Printing	2	133	22	2 075	85 729	1 637	3 427	62 197	158 673	112 874	290 948	7 321
323110	Commercial lithographic printing	2	57	11	1 252	51 529	992	2 112	37 516	92 477	79 332	191 885	3 516
325	Chemical manufacturing	—	43	17	5 356	206 454	1 052	2 036	43 708	1 063 596	474 450	1 554 213	60 513
3251	Basic chemical manufacturing ...	—	4	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical manufacturing	—	2	2	e	D	D	D	D	D	D	D	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
3254	Pharmaceutical and medicine manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	5	2	h	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	3	9	5	273	11 423	98	185	2 810	37 173	11 348	48 587	784
3259	Other chemical product and preparation manufacturing	—	15	3	376	14 737	175	361	8 127	57 528	76 538	133 255	8 223
32599	All other chemical product and preparation manufacturing ...	—	13	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	56	20	1 813	61 782	1 368	2 667	37 322	130 595	111 321	241 315	6 000
3261	Plastics product manufacturing ..	3	46	18	g	D	D	D	D	D	D	D	5 294
32619	Other plastics product manufacturing	4	31	11	1 007	33 374	777	1 429	20 573	81 322	57 999	139 196	3 309
326199	All other plastics product manufacturing	4	30	11	g	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	2	10	2	e	D	D	D	D	D	D	D	706
32629	Other rubber product manufacturing	2	6	2	270	8 539	195	438	5 145	15 929	8 518	24 281	D
327	Nonmetallic mineral product manufacturing	1	33	14	956	45 254	621	1 279	24 444	122 999	66 312	188 563	3 800
3272	Glass and glass product manufacturing	1	9	4	307	10 145	231	415	6 392	20 430	19 002	39 793	1 308
32721	Glass and glass product manufacturing	1	9	4	307	10 145	231	415	6 392	20 430	19 002	39 793	1 308
327215	Glass product manufacturing made of purchased glass ..	1	7	4	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	—	13	5	433	24 729	255	565	11 932	51 733	33 148	84 161	1 861
32739	Other concrete product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	39	19	2 200	107 409	1 530	3 334	68 865	257 550	348 795	596 623	9 313
3312	Steel product manufacturing from purchased steel	—	4	2	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	4	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New Haven-Milford, CT Metropolitan Statistical Area—Con.												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing	1	22	12	1 379	65 188	993	2 134	44 766	174 219	195 973	361 317	D
33142	Copper rolling, drawing, extruding, and alloying	2	9	7	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	2	7	6	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	10	5	533	24 245	369	755	14 881	95 424	74 411	161 475	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	4	4	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	385	96	9 303	405 009	6 915	14 334	253 890	983 102	499 465	1 463 821	62 746
3321	Forging and stamping	1	38	20	1 337	63 510	1 039	2 205	42 763	117 293	115 250	231 274	5 158
33211	Forging and stamping	1	38	20	1 337	63 510	1 039	2 205	42 763	117 293	115 250	231 274	5 158
332116	Metal stamping	1	31	16	1 067	52 928	832	1 797	35 623	97 352	89 901	186 915	D
3322	Cutlery and handtool manufacturing	—	8	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	8	3	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	4	59	9	816	30 297	549	1 059	16 007	57 766	29 261	86 109	7 117
33232	Ornamental and architectural metal products manufacturing	3	46	8	716	26 527	476	918	13 643	49 458	24 642	73 615	6 864
332322	Sheet metal work manufacturing	3	28	3	269	9 911	182	357	5 652	18 731	8 653	26 817	2 199
3325	Hardware manufacturing	—	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
33251	Hardware manufacturing	—	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
332510	Hardware manufacturing	—	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	181	31	2 767	108 791	2 142	4 161	73 976	213 249	72 076	281 331	13 529
33271	Machine shops	5	116	10	1 259	52 685	928	1 831	34 353	91 301	37 739	128 054	7 448
332710	Machine shops	5	116	10	1 259	52 685	928	1 831	34 353	91 301	37 739	128 054	7 448
33272	Turned product and screw, nut, and bolt manufacturing	—	65	21	1 508	56 106	1 214	2 330	39 623	121 948	34 337	153 277	6 081
332721	Precision turned product manufacturing	1	54	19	1 237	44 153	1 012	1 901	32 167	96 826	27 047	122 423	4 776
332722	Bolt, nut, screw, rivet, and washer manufacturing	—	11	2	271	11 953	202	429	7 456	25 122	7 290	30 854	1 305
3328	Coating, engraving, heat treating, and allied activities	—	35	13	1 026	38 953	788	1 595	24 540	79 458	44 513	122 234	3 652
33281	Coating, engraving, heat treating, and allied activities ..	—	35	13	1 026	38 953	788	1 595	24 540	79 458	44 513	122 234	3 652
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	12	5	463	18 841	345	771	11 517	40 585	20 762	60 182	2 706
332813	Electroplating, plating, polishing, anodizing, and coloring	—	19	8	527	18 273	418	769	11 874	34 774	22 872	57 950	D
3329	Other fabricated metal product manufacturing	—	34	8	1 200	49 716	884	1 886	30 856	123 023	81 379	202 869	3 950
33299	All other fabricated metal product manufacturing	—	28	6	g	D	D	D	D	D	D	D	D
332994	Small arms manufacturing	—	6	4	816	34 546	618	1 349	22 379	89 922	52 713	141 052	D
333	Machinery manufacturing	2	147	41	3 114	143 421	1 624	3 126	51 247	258 844	150 365	406 825	13 236
3332	Industrial machinery manufacturing	2	21	7	383	17 080	204	387	6 241	34 344	20 419	54 936	425
33329	Other industrial machinery manufacturing	3	17	5	297	13 658	153	285	5 053	28 782	15 523	44 599	D
3333	Commercial and service industry machinery manufacturing	—	11	7	405	16 011	260	505	7 170	34 793	25 042	59 129	D
33331	Commercial and service industry machinery manufacturing	—	11	7	405	16 011	260	505	7 170	34 793	25 042	59 129	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New Haven-Milford, CT Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	3	71	14	921	40 094	619	1 258	22 150	67 794	30 321	98 071	4 139
33351	Metalworking machinery manufacturing	3	71	14	921	40 094	619	1 258	22 150	67 794	30 321	98 071	4 139
333515	Cutting tool and machine tool accessory manufacturing...	6	18	6	385	14 339	275	577	8 728	26 484	10 416	36 647	703
3339	Other general purpose machinery manufacturing	—	33	9	1 184	62 399	382	721	11 264	102 108	56 555	156 833	6 257
33399	All other general purpose machinery manufacturing	—	27	8	1 095	58 041	330	623	9 258	90 932	51 176	140 414	6 009
333999	All other miscellaneous general purpose machinery manufacturing	—	19	5	899	48 215	239	441	5 978	68 219	39 491	104 902	5 041
334	Computer and electronic product manufacturing	3	110	44	5 598	270 918	2 785	5 500	88 030	731 737	431 642	1 160 834	21 119
3342	Communications equipment manufacturing	2	14	8	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	5	7	4	549	28 960	170	266	6 685	68 861	55 374	124 646	2 401
334210	Telephone apparatus manufacturing	5	7	4	549	28 960	170	266	6 685	68 861	55 374	124 646	2 401
33429	Other communications equipment manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
3343	Audio and video equipment manufacturing	3	4	2	e	D	D	D	D	D	D	D	D
33431	Audio and video equipment manufacturing	3	4	2	e	D	D	D	D	D	D	D	D
334310	Audio and video equipment manufacturing	3	4	2	e	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	2	44	18	1 454	62 161	1 053	2 132	35 667	133 011	99 315	236 360	6 369
33441	Semiconductor and other electronic component manufacturing	2	44	18	1 454	62 161	1 053	2 132	35 667	133 011	99 315	236 360	6 369
334412	Bare printed circuit board manufacturing	—	8	4	507	23 054	407	848	17 776	39 211	39 183	80 657	D
334419	Other electronic component manufacturing	2	16	7	515	21 652	337	643	9 318	57 623	37 347	96 281	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	4	46	16	2 394	125 182	1 067	2 034	31 504	312 682	129 582	420 581	7 539
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	4	46	16	2 394	125 182	1 067	2 034	31 504	312 682	129 582	420 581	7 539
334510	Electromedical and electrotherapeutic apparatus manufacturing...	9	8	3	910	51 115	400	816	11 721	130 863	55 520	189 696	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
334519	Other measuring and controlling device manufacturing	—	9	4	703	40 207	248	407	6 764	89 940	32 217	112 799	D
335	Electrical equipment, appliance, and component manufacturing	1	49	25	2 507	101 681	1 627	3 409	44 463	204 521	174 918	387 972	26 177
3351	Electric lighting equipment manufacturing	—	9	6	792	31 465	594	1 322	13 928	75 465	35 192	109 965	D
33511	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
335110	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
33512	Lighting fixture manufacturing ..	2	6	3	255	9 807	154	327	3 396	25 870	12 446	38 310	D
3353	Electrical equipment manufacturing	3	16	7	509	20 182	303	591	8 265	21 969	31 740	61 924	D
33531	Electrical equipment manufacturing	3	16	7	509	20 182	303	591	8 265	21 969	31 740	61 924	D
335312	Motor and generator manufacturing	—	4	3	279	11 228	157	316	4 847	6 257	21 029	35 473	1 022

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New Haven-Milford, CT Metropolitan Statistical Area—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing	—	24	12	1 206	50 034	730	1 496	22 270	107 087	107 986	216 083	D
33592	Communication and energy wire and cable manufacturing	—	9	5	822	34 086	492	1 027	15 247	69 885	86 258	157 033	D
335929	Other communication and energy wire manufacturing	—	9	5	822	34 086	492	1 027	15 247	69 885	86 258	157 033	D
336	Transportation equipment manufacturing	—	44	27	h	D	D	D	D	D	D	D	29 106
3363	Motor vehicle parts manufacturing	—	24	16	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	—	4	3	426	19 577	316	681	13 563	74 434	38 084	114 651	992
336399	All other motor vehicle parts manufacturing	—	4	3	426	19 577	316	681	13 563	74 434	38 084	114 651	992
3364	Aerospace product and parts manufacturing	—	15	9	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	15	9	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	8	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	63	11	859	25 090	610	1 208	15 543	49 854	34 234	83 387	5 669
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	43	6	527	15 110	421	816	10 463	31 679	23 563	54 789	5 258
33711	Wood kitchen cabinet and countertop manufacturing	1	32	3	376	10 520	301	579	7 548	23 312	17 707	40 469	D
337110	Wood kitchen cabinet and countertop manufacturing	1	32	3	376	10 520	301	579	7 548	23 312	17 707	40 469	D
3372	Office furniture (including fixtures) manufacturing	4	16	5	313	9 410	175	367	4 758	16 909	8 723	25 384	D
33721	Office furniture (including fixtures) manufacturing	4	16	5	313	9 410	175	367	4 758	16 909	8 723	25 384	D
337212	Custom architectural woodwork and millwork manufacturing	4	10	4	255	7 697	133	294	3 706	13 921	6 571	20 373	356
339	Miscellaneous manufacturing	4	117	36	5 114	226 186	3 119	6 318	97 157	403 557	606 300	1 119 826	35 922
3391	Medical equipment and supplies manufacturing	2	48	20	2 923	127 247	1 676	3 513	49 517	199 897	303 195	611 049	18 592
33911	Medical equipment and supplies manufacturing	2	48	20	2 923	127 247	1 676	3 513	49 517	199 897	303 195	611 049	18 592
339112	Surgical and medical instrument manufacturing	—	14	7	2 088	96 480	1 114	2 454	33 809	125 142	239 379	473 485	15 640
339116	Dental laboratories	8	22	5	394	12 732	274	543	7 578	18 502	3 249	21 697	824
3399	Other miscellaneous manufacturing	8	69	16	2 191	98 939	1 443	2 805	47 640	203 660	303 105	508 777	17 330
33994	Office supplies (except paper) manufacturing	9	6	1	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	34	10	1 003	34 146	743	1 458	19 576	69 040	30 022	101 666	D
339991	Gasket, packing, and sealing device manufacturing	—	5	3	312	11 784	218	463	5 862	22 407	10 196	33 349	893
339993	Fastener, button, needle, and pin manufacturing	3	6	4	387	11 812	326	614	8 365	25 147	12 509	39 710	D
339999	All other miscellaneous manufacturing	1	23	3	304	10 550	199	381	5 349	21 486	7 317	28 607	D

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area												
31-33	Manufacturing	2	'21 761	'5 463	'558 497	'22 116 527	'363 343	'707 170	'11 063 225	'76 030 006	'56 352 580	'132 667 772	'3 604 807
311	Food manufacturing	'3	'2 212	'397	'44 399	'1 468 801	'28 466	'54 271	'808 340	'5 122 711	'5 064 655	'10 174 975	'239 694
3111	Animal food manufacturing	1	14	6	600	20 120	435	957	10 322	187 328	179 129	367 138	D
31111	Animal food manufacturing	1	14	6	600	20 120	435	957	10 322	187 328	179 129	367 138	D
311119	Other animal food manufacturing	4	9	4	e	D	D	D	D	D	D	D	D
3112	Grain and oilseed milling	5	14	6	e	D	D	D	D	D	D	D	D
31122	Starch and vegetable fats and oils manufacturing	6	6	4	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	6	118	23	2 964	111 930	2 302	4 864	64 569	339 000	649 222	989 132	18 038
31131	Sugar manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
311312	Cane sugar refining	9	4	2	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	2	60	10	1 576	42 970	1 311	2 817	26 884	102 275	88 405	187 156	5 823
311330	Confectionery manufacturing from purchased chocolate ..	2	60	10	1 576	42 970	1 311	2 817	26 884	102 275	88 405	187 156	5 823
31134	Nonchocolate confectionery manufacturing	1	36	9	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	1	36	9	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	1	67	24	2 185	71 240	1 760	3 406	49 549	318 521	311 199	630 098	11 230
31141	Frozen food manufacturing	3	34	14	1 016	32 269	864	1 753	23 596	136 059	97 926	233 975	3 560
311412	Frozen specialty food manufacturing	3	29	13	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	1	33	10	1 169	38 971	896	1 653	25 953	182 462	213 273	396 123	7 670
311421	Fruit and vegetable canning ..	—	23	9	1 075	34 977	825	1 493	23 537	166 708	203 928	370 663	7 065
3115	Dairy product manufacturing	1	87	24	3 235	134 067	2 136	4 580	81 036	476 297	880 937	1 357 305	27 033
31151	Dairy product (except frozen) manufacturing	1	50	18	2 632	119 730	1 592	3 518	69 783	420 380	843 347	1 263 874	23 942
311511	Fluid milk manufacturing	—	11	8	1 797	93 969	934	2 242	52 974	343 936	628 003	972 356	15 189
311513	Cheese manufacturing	4	28	9	748	20 365	608	1 168	14 814	64 091	172 714	236 550	D
31152	Ice cream and frozen dessert manufacturing	4	37	6	603	14 337	544	1 062	11 253	55 917	37 590	93 431	3 091
311520	Ice cream and frozen dessert manufacturing	4	37	6	603	14 337	544	1 062	11 253	55 917	37 590	93 431	3 091
3116	Animal slaughtering and processing	2	145	47	3 958	145 891	2 951	6 189	86 963	385 701	625 102	1 012 530	16 570
31161	Animal slaughtering and processing	2	145	47	3 958	145 891	2 951	6 189	86 963	385 701	625 102	1 012 530	16 570
311611	Animal (except poultry) slaughtering	4	40	8	628	18 579	508	1 071	12 424	33 795	152 241	186 444	4 250
311612	Meat processed from carcasses	2	83	30	2 579	102 451	1 925	4 068	61 440	272 070	365 665	638 365	9 505
311615	Poultry processing	1	21	8	f	D	D	D	D	D	D	D	D
3117	Seafood product preparation and packaging	3	22	8	g	D	D	D	D	D	D	D	D
31171	Seafood product preparation and packaging	3	22	8	g	D	D	D	D	D	D	D	D
311711	Seafood canning	4	5	2	f	D	D	D	D	D	D	D	D
311712	Fresh and frozen seafood processing	2	17	6	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	1 489	174	20 982	606 705	11 866	21 160	319 456	2 027 515	886 781	2 911 471	71 622
31181	Bread and bakery product manufacturing	3	1 409	152	17 467	463 158	9 153	15 463	226 496	1 372 295	591 524	1 963 432	49 636
311811	Retail bakeries	4	1 026	66	6 667	110 142	3 434	4 831	55 730	226 914	122 087	348 992	8 857
311812	Commercial bakeries	2	360	77	10 381	341 318	5 378	9 974	162 520	1 116 420	442 507	1 558 720	39 214
311813	Frozen cakes, pies, and other pastries manufacturing	5	23	9	419	11 698	341	658	8 246	28 961	26 930	55 720	1 565
31182	Cookie, cracker, and pasta manufacturing	2	77	21	h	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	—	34	12	2 587	99 436	2 064	4 323	69 099	520 025	169 444	686 910	15 397
311822	Flour mixes and dough manufacturing from purchased flour	7	12	5	485	25 127	322	731	11 667	74 261	77 297	151 819	D
311823	Dry pasta manufacturing	3	31	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
311	Food manufacturing—Con.												
3119	Other food manufacturing	2	'256	'85	'8 931	'332 352	'5 811	'11 168	'169 638	'1 268 251	'1 169 029	'2 424 321	'75 097
31191	Snack food manufacturing	1	19	7	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	1	14	5	e	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing	2	22	12	1 109	51 025	752	1 441	29 768	199 975	211 304	409 276	18 416
311920	Coffee and tea manufacturing	2	22	12	1 109	51 025	752	1 441	29 768	199 975	211 304	409 276	18 416
31193	Flavoring syrup and concentrate manufacturing	5	24	11	f	D	D	D	D	D	D	D	D
311930	Flavoring syrup and concentrate manufacturing	5	24	11	f	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	2	44	22	2 132	95 682	1 422	2 776	49 231	395 846	436 822	825 669	16 535
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	3	17	9	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	1	27	13	g	D	D	D	D	D	D	D	D
31199	All other food manufacturing	2	'147	'33	'4 616	'145 737	'2 932	'5 590	'70 486	'473 844	'404 706	'878 558	D
311991	Perishable prepared food manufacturing	2	41	11	1 473	42 294	997	2 124	23 545	103 875	106 845	210 570	D
311999	All other miscellaneous food manufacturing	2	'106	'22	'3 143	'103 443	'1 935	'3 466	'46 941	'369 969	'297 861	'667 988	D
312	Beverage and tobacco product manufacturing	2	89	26	h	D	D	D	D	D	D	D	89 818
3121	Beverage manufacturing	1	81	25	h	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	2	52	18	h	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	2	31	16	3 030	124 864	1 472	3 074	56 075	428 258	870 810	1 298 888	47 108
31212	Breweries	—	6	2	f	D	D	D	D	D	D	D	D
312120	Breweries	—	6	2	f	D	D	D	D	D	D	D	D
31213	Wineries	3	21	3	e	D	D	D	D	D	D	D	D
312130	Wineries	3	21	3	e	D	D	D	D	D	D	D	D
313	Textile mills	3	578	153	12 581	386 887	9 883	19 527	246 508	1 059 983	1 385 064	2 449 626	43 118
3131	Fiber, yarn, and thread mills	—	30	9	f	D	D	D	D	D	D	D	D
31311	Fiber, yarn, and thread mills	—	30	9	f	D	D	D	D	D	D	D	D
313112	Yarn texturizing, throwing, and twisting mills	—	6	4	f	D	D	D	D	D	D	D	D
3132	Fabric mills	3	246	51	h	D	D	D	D	D	D	D	D
31321	Broadwoven fabric mills	4	63	10	765	22 369	624	1 199	14 879	83 166	100 273	182 006	2 545
313210	Broadwoven fabric mills	4	63	10	765	22 369	624	1 199	14 879	83 166	100 273	182 006	2 545
31322	Narrow fabric mills and schiffli machine embroidery	1	69	6	f	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	1	22	2	e	D	D	D	D	D	D	D	D
313222	Schiffli machine embroidery	1	47	4	478	13 326	383	766	9 541	26 564	17 001	43 866	D
31323	Nonwoven fabric mills	4	20	8	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills	4	20	8	e	D	D	D	D	D	D	D	D
31324	Knit fabric mills	4	94	27	2 270	60 603	1 906	3 711	42 022	153 774	150 194	309 244	6 522
313241	Weft knit fabric mills	3	45	10	1 277	32 755	1 101	2 083	24 751	77 236	86 298	168 386	3 365
313249	Other knit fabric and lace mills	4	49	17	993	27 848	805	1 628	17 271	76 538	63 896	140 858	3 157
3133	Textile and fabric finishing and fabric coating mills	4	302	93	7 303	239 674	5 641	11 247	150 574	657 947	890 678	1 557 533	D
31331	Textile and fabric finishing mills	4	281	82	6 536	206 138	5 061	10 066	130 152	578 834	784 654	1 372 070	D
313311	Broadwoven fabric finishing mills	4	201	58	h	D	D	D	D	D	D	D	18 114
313312	Textile and fabric finishing (except broadwoven fabric) mills	6	80	24	g	D	D	D	D	D	D	D	D
31332	Fabric coating mills	—	21	11	767	33 536	580	1 181	20 422	79 113	106 024	185 463	D
313320	Fabric coating mills	—	21	11	767	33 536	580	1 181	20 422	79 113	106 024	185 463	D
314	Textile product mills	'2	'525	'110	'10 120	'280 203	'7 368	'14 210	'152 984	'743 568	'810 592	'1 560 886	D
3141	Textile furnishings mills	2	224	52	4 685	135 005	3 313	6 562	67 713	429 539	499 381	928 581	10 610
31411	Carpet and rug mills	5	12	3	e	D	D	D	D	D	D	D	D
314110	Carpet and rug mills	5	12	3	e	D	D	D	D	D	D	D	D
31412	Curtain and linen mills	2	212	49	h	D	D	D	D	D	D	D	D
314121	Curtain and drapery mills	3	129	22	g	D	D	D	D	D	D	D	D
314129	Other household textile product mills	2	83	27	1 976	58 834	1 561	3 091	32 337	276 528	353 783	630 951	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
314	Textile product mills—Con.												
3149	Other textile product mills	3	'301	'58	'5 435	'145 198	'4 055	'7 648	'85 271	'314 029	'311 211	'632 305	D
31491	Textile bag and canvas mills ...	3	'106	'13	'1 127	'33 139	'899	'1 754	'22 133	'68 727	'58 297	'127 019	D
314912	Canvas and related product mills	'3	'88	'9	'915	'26 732	'733	'1 424	'18 971	'61 444	'41 244	'102 461	D
31499	All other textile product mills ...	3	195	45	4 308	112 059	3 156	5 894	63 138	245 302	252 914	505 286	D
314999	All other miscellaneous textile product mills	3	191	44	h	D	D	D	D	D	D	D	D
315	Apparel manufacturing	4	'2 762	'569	'50 289	'1 176 195	'37 701	'66 294	'653 513	'3 090 326	'3 774 479	'6 891 675	'55 022
3151	Apparel knitting mills	3	179	46	h	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	3	164	45	h	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills	3	158	45	h	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	4	'2 311	'466	'42 004	'983 636	'31 217	'54 076	'532 391	'2 660 492	'3 213 337	'5 898 794	'45 103
31521	Cut and sew apparel contractors	6	1 501	240	j	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors	6	130	23	1 751	26 655	1 497	2 409	20 715	56 292	4 254	60 443	D
315212	Women's, girls', and infants' cut and sew apparel contractors	6	1 371	217	j	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	2	114	37	h	D	D	D	D	D	D	D	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	3	57	16	g	D	D	D	D	D	D	D	D
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing	3	17	4	e	D	D	D	D	D	D	D	251
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	1	8	7	e	D	D	D	D	D	D	D	D
315228	Men's and boys' cut and sew other outerwear manufacturing	3	24	8	e	D	D	D	D	D	D	D	127
31523	Women's and girls' cut and sew apparel manufacturing	3	'542	'165	'18 066	'566 276	'10 855	'19 155	'236 462	'1 838 943	'2 771 608	'4 614 354	'36 471
315231	Women's and girls' cut and sew lingerie, loungewear, and nightwear manufacturing	2	32	10	h	D	D	D	D	D	D	D	D
315232	Women's and girls' cut and sew blouse and shirt manufacturing	6	69	20	g	D	D	D	D	D	D	D	3 994
315233	Women's and girls' cut and sew dress manufacturing ...	4	'197	'66	i	D	D	D	D	D	D	D	D
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	2	69	25	g	D	D	D	D	D	D	D	D
315239	Women's and girls' cut and sew other outerwear manufacturing	3	175	44	i	D	D	D	D	D	D	D	5 639
31529	Other cut and sew apparel manufacturing	3	154	24	2 800	69 131	1 806	3 428	32 730	160 338	156 098	319 352	D
315292	Fur and leather apparel manufacturing	6	81	7	g	D	D	D	D	D	D	D	D
315299	All other cut and sew apparel manufacturing	2	67	13	g	D	D	D	D	D	D	D	1 288
3159	Apparel accessories and other apparel manufacturing	3	272	57	h	D	D	D	D	D	D	D	D
31599	Apparel accessories and other apparel manufacturing	3	272	57	h	D	D	D	D	D	D	D	D
315991	Hat, cap, and millinery manufacturing	3	62	17	g	D	D	D	D	D	D	D	D
315993	Men's and boys' neckwear manufacturing	1	37	14	g	D	D	D	D	D	D	D	D
315999	Other apparel accessories and other apparel manufacturing	5	170	26	2 645	60 082	2 042	3 801	37 144	107 148	114 473	220 981	D
316	Leather and allied product manufacturing	1	149	32	g	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing	1	25	4	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing	1	25	4	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing	1	25	4	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
316	Leather and allied product manufacturing—Con.												
3162	Footwear manufacturing	1	21	10	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing	1	21	10	f	D	D	D	D	D	D	D	D
316212	House slipper manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	2	103	18	g	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	2	103	18	g	D	D	D	D	D	D	D	D
316991	Luggage manufacturing	1	24	6	e	D	D	D	D	D	D	D	D
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	5	21	6	e	D	D	D	D	D	D	D	D
316999	All other leather goods manufacturing	3	26	4	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	304	58	h	D	D	D	D	D	D	D	D
3212	Veneer, plywood, and engineered wood product manufacturing	4	13	8	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	4	13	8	e	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	4	276	49	h	D	D	D	D	D	D	D	D
32191	Millwork	4	173	36	h	D	D	D	D	D	D	D	5 533
321911	Wood window and door manufacturing	2	62	15	g	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	6	99	20	g	D	D	D	D	D	D	D	D
32192	Wood container and pallet manufacturing	3	39	8	f	D	D	D	D	D	D	D	D
321920	Wood container and pallet manufacturing	3	39	8	f	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	3	64	5	f	D	D	D	D	D	D	D	D
321999	All other miscellaneous wood product manufacturing	3	55	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	357	185	19 117	807 366	14 369	30 052	501 292	1 880 515	2 182 828	4 065 144	101 838
3221	Pulp, paper, and paperboard mills	1	17	14	2 463	134 938	1 972	4 521	100 677	397 058	458 313	854 628	30 097
32212	Paper mills	2	10	8	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	2	10	8	g	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	7	6	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	7	6	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	340	171	16 654	672 428	12 397	25 531	400 615	1 483 457	1 724 515	3 210 516	71 741
32221	Paperboard container manufacturing	2	151	84	7 920	338 182	5 845	12 088	195 770	783 918	854 298	1 637 795	29 249
322211	Corrugated and solid fiber box manufacturing	2	80	42	3 958	178 796	2 790	5 851	94 185	433 256	553 294	987 886	15 872
322212	Folding paperboard box manufacturing	1	39	21	2 264	106 895	1 750	3 799	67 448	235 849	162 505	395 809	11 191
322213	Setup paperboard box manufacturing	2	14	9	g	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, and similar products manufacturing	3	14	9	e	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container manufacturing ...	—	4	3	e	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	2	88	37	3 592	157 058	2 506	5 235	91 978	346 355	440 019	790 509	21 007
322222	Coated and laminated paper manufacturing	2	56	26	2 472	117 023	1 631	3 434	64 381	274 535	332 262	607 659	17 622
322224	Uncoated paper and multiwall bag manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard manufacturing	1	7	4	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	1	57	28	3 230	116 134	2 515	5 260	75 117	209 203	224 672	428 700	10 590
322231	Die-cut paper and paperboard office supplies manufacturing	4	23	11	961	28 263	766	1 557	19 104	48 056	45 491	90 793	2 071
322232	Envelope manufacturing	—	21	13	g	D	D	D	D	D	D	D	7 295
322233	Stationery, tablet, and related product manufacturing	3	13	4	e	D	D	D	D	D	D	D	1 224

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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing—Con.												
32229	Other converted paper product manufacturing	4	44	22	1 912	61 054	1 531	2 948	37 750	143 981	205 526	353 512	10 895
322291	Sanitary paper product manufacturing	6	13	7	492	18 638	385	839	10 103	70 261	94 164	167 831	4 106
322299	All other converted paper product manufacturing	2	31	15	1 420	42 416	1 146	2 109	27 647	73 720	111 362	185 681	6 789
323	Printing and related support activities	3	2 844	'524	'45 777	1 884 890	'32 455	62 472	1 158 797	'4 173 935	'2 374 478	6 550 166	192 019
3231	Printing and related support activities	3	2 844	'524	'45 777	1 884 890	'32 455	62 472	1 158 797	'4 173 935	'2 374 478	6 550 166	192 019
32311	Printing	3	'2 478	'447	'39 911	'1 637 377	'28 281	'54 248	'1 011 885	'3 683 364	'2 236 223	'5 921 723	173 013
323110	Commercial lithographic printing	3	1 175	244	22 946	1 044 946	16 432	31 692	663 219	2 267 983	1 449 838	3 719 475	115 832
323111	Commercial gravure printing	—	30	7	512	25 829	298	641	11 366	56 789	71 995	129 753	D
323112	Commercial flexographic printing	2	58	21	1 257	49 585	867	1 773	29 019	105 925	89 346	193 035	5 231
323113	Commercial screen printing	2	257	42	3 855	104 920	2 926	5 349	61 148	230 484	150 700	382 080	7 218
323114	Quick printing	3	'507	'32	'3 099	'107 352	'2 032	'3 783	'65 319	'237 029	'119 266	'357 530	12 270
323115	Digital printing	1	97	27	2 149	86 804	1 392	2 567	50 443	230 243	69 696	298 272	9 061
323116	Manifold business forms printing	5	43	19	1 331	51 900	977	1 903	32 899	219 167	84 266	303 464	4 938
323117	Books printing	3	54	12	1 022	40 603	799	1 692	27 323	83 008	61 329	146 386	D
323118	Blankbook, looseleaf binders, and devices manufacturing	2	26	14	1 596	48 565	1 127	2 222	26 944	95 463	49 149	143 908	3 885
323119	Other commercial printing	4	231	29	2 144	76 873	1 431	2 626	44 205	157 273	90 638	247 820	11 286
32312	Support activities for printing	3	'366	77	'5 866	'247 513	'4 174	'8 224	'146 912	'490 571	'138 255	'628 443	19 006
323121	Tradebinding and related work	4	115	35	2 449	69 748	2 071	4 231	49 321	121 778	32 926	154 011	4 662
323122	Prepress services	3	'251	42	'3 417	'177 765	'2 103	'3 993	'97 591	'368 793	'105 329	'474 432	14 344
324	Petroleum and coal products manufacturing	—	85	22	h	D	D	D	D	D	D	D	127 465
3241	Petroleum and coal products manufacturing	—	85	22	h	D	D	D	D	D	D	D	127 465
32411	Petroleum refineries	—	5	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries	—	5	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	1	58	12	g	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing	1	50	8	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
32419	Other petroleum and coal products manufacturing	—	22	8	f	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil and grease manufacturing	—	19	7	f	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	959	459	82 394	4 343 948	39 171	79 255	1 495 463	29 923 578	12 465 266	42 308 133	1 414 756
3251	Basic chemical manufacturing	2	122	70	6 479	395 775	3 390	7 077	165 127	1 520 993	1 521 530	3 052 048	101 031
32513	Synthetic dye and pigment manufacturing	2	25	14	g	D	D	D	D	D	D	D	D
325131	Inorganic dye and pigment manufacturing	—	5	1	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	3	20	13	g	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical manufacturing	2	29	16	1 075	59 767	526	1 103	26 813	170 806	199 834	381 091	13 538
325188	All other basic inorganic chemical manufacturing	2	28	16	g	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	2	59	37	3 797	257 122	1 808	3 827	92 868	1 037 210	1 104 800	2 143 802	68 863
325199	All other basic organic chemical manufacturing	2	52	34	3 681	251 143	1 737	3 669	89 808	1 021 859	1 084 551	2 106 450	D
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	35	24	1 410	73 221	958	2 061	43 836	200 462	290 982	496 916	D
32521	Resin and synthetic rubber manufacturing	—	35	24	1 410	73 221	958	2 061	43 836	200 462	290 982	496 916	D
325211	Plastics material and resin manufacturing	—	31	24	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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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
325	Chemical manufacturing—Con.												
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2	29	11	733	28 310	460	914	13 105	61 308	86 868	149 932	D
32531	Fertilizer manufacturing	5	20	6	e	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) manufacturing	5	20	6	e	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	1	9	5	e	D	D	D	D	D	D	D	D
325320	Pesticide and other agricultural chemical manufacturing	1	9	5	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	1	219	128	44 821	2 532 477	17 352	35 816	678 067	19 952 071	5 815 717	25 667 186	1 024 602
32541	Pharmaceutical and medicine manufacturing	1	219	128	44 821	2 532 477	17 352	35 816	678 067	19 952 071	5 815 717	25 667 186	1 024 602
325411	Medicinal and botanical manufacturing	2	50	25	5 434	247 309	2 858	4 647	119 228	1 919 866	720 232	2 668 574	197 581
325412	Pharmaceutical preparation manufacturing	1	150	90	36 315	2 121 637	13 664	29 581	517 403	17 621 273	4 905 199	22 403 160	815 558
325413	In-vitro diagnostic substance manufacturing	—	11	6	h	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) manufacturing ..	4	8	7	e	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	2	139	44	3 664	166 768	2 144	4 490	75 471	752 587	639 011	1 378 377	36 080
32551	Paint and coating manufacturing	2	86	24	1 942	82 501	1 114	2 283	36 858	430 692	320 942	742 859	27 632
325510	Paint and coating manufacturing	2	86	24	1 942	82 501	1 114	2 283	36 858	430 692	320 942	742 859	27 632
32552	Adhesive manufacturing	1	53	20	1 722	84 267	1 030	2 207	38 613	321 895	318 069	635 518	8 448
325520	Adhesive manufacturing	1	53	20	1 722	84 267	1 030	2 207	38 613	321 895	318 069	635 518	8 448
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	1	259	120	20 157	886 132	11 975	23 008	395 063	6 673 697	3 379 590	10 074 208	200 000
32561	Soap and cleaning compound manufacturing	3	99	34	2 920	135 273	1 682	3 391	68 867	835 984	551 515	1 391 359	32 308
325611	Soap and other detergent manufacturing	4	46	15	1 504	72 961	965	1 995	40 302	422 526	286 991	709 380	D
325612	Polish and other sanitation good manufacturing	1	41	11	f	D	D	D	D	D	D	D	D
325613	Surface active agent manufacturing	2	12	8	f	D	D	D	D	D	D	D	7 279
32562	Toilet preparation manufacturing	1	160	86	17 237	750 859	10 293	19 617	326 196	5 837 713	2 828 075	8 682 849	167 692
325620	Toilet preparation manufacturing	1	160	86	17 237	750 859	10 293	19 617	326 196	5 837 713	2 828 075	8 682 849	167 692
3259	Other chemical product and preparation manufacturing	1	156	62	5 130	261 265	2 892	5 889	124 794	762 460	731 568	1 489 466	42 923
32591	Printing ink manufacturing	2	37	12	g	D	D	D	D	D	D	D	D
325910	Printing ink manufacturing	2	37	12	g	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ..	1	118	49	h	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	—	30	13	f	D	D	D	D	D	D	D	D
325992	Photographic film, paper, plate, and chemical manufacturing	—	21	7	g	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing ..	1	67	29	g	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	'784	'370	'34 972	'1 142 121	'25 863	'52 484	'670 534	'2 855 842	'2 564 378	'5 427 502	'187 656
3261	Plastics product manufacturing ..	2	'688	'336	'31 430	'1 022 425	'23 269	'47 171	'594 537	'2 542 924	'2 254 097	'4 804 786	'166 576
32611	Plastics packaging materials and un laminated film and sheet manufacturing	1	159	85	6 381	225 241	4 715	9 338	140 436	616 863	693 359	1 311 744	38 232
326111	Plastics bag manufacturing ..	1	64	33	h	D	D	D	D	D	D	D	20 644
326112	Plastics packaging film and sheet (including laminated) manufacturing	1	21	15	f	D	D	D	D	D	D	D	2 483
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	1	74	37	2 732	103 606	1 937	3 971	64 562	278 628	345 594	626 500	15 105
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	1	48	27	1 723	64 839	1 268	2 793	39 201	146 696	95 249	244 726	11 004
326121	Unlaminated plastics profile shape manufacturing	1	41	21	1 472	54 526	1 110	2 459	33 685	127 716	74 648	202 762	D
326122	Plastics pipe and pipe fitting manufacturing	—	7	6	251	10 313	158	334	5 516	18 980	20 601	41 964	D

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

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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32613	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	1	19	7	571	26 049	389	817	14 676	90 901	92 508	185 563	2 807
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing . .	1	19	7	571	26 049	389	817	14 676	90 901	92 508	185 563	2 807
32614	Polystyrene foam product manufacturing	1	23	9	g	D	D	D	D	D	D	D	6 377
326140	Polystyrene foam product manufacturing	1	23	9	g	D	D	D	D	D	D	D	6 377
32615	Urethane and other foam product (except polystyrene) manufacturing	1	'15	'8	f	D	D	D	D	D	D	D	'2 167
326150	Urethane and other foam product (except polystyrene) manufacturing	1	'15	'8	f	D	D	D	D	D	D	D	'2 167
32616	Plastics bottle manufacturing . .	2	10	8	1 124	37 397	964	2 101	29 543	97 336	83 842	179 496	20 869
326160	Plastics bottle manufacturing	2	10	8	1 124	37 397	964	2 101	29 543	97 336	83 842	179 496	20 869
32619	Other plastics product manufacturing	2	414	192	19 972	610 022	14 920	30 020	343 628	1 459 656	1 167 882	2 629 786	85 120
326199	All other plastics product manufacturing	2	400	188	j	D	D	D	D	D	D	D	84 572
3262	Rubber product manufacturing . . .	2	96	34	3 542	119 696	2 594	5 313	75 997	312 918	310 281	622 716	21 080
32621	Tire manufacturing	1	26	2	e	D	D	D	D	D	D	D	D
326212	Tire retreading	—	21	2	e	D	D	D	D	D	D	D	D
32622	Rubber and plastics hoses and belting manufacturing	1	6	3	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing . .	1	6	3	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	2	64	29	h	D	D	D	D	D	D	D	D
326291	Rubber product manufacturing for mechanical use	4	25	8	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	1	39	21	2 309	80 764	1 712	3 585	49 055	217 487	212 133	430 856	16 255
327	Nonmetallic mineral product manufacturing	3	506	154	10 086	411 534	7 623	15 392	279 656	1 144 911	969 723	2 098 451	116 374
3271	Clay product and refractory manufacturing	1	40	6	506	18 333	416	839	13 574	46 016	31 203	77 972	D
32711	Pottery, ceramics, and plumbing fixture manufacturing	—	27	4	352	12 719	300	606	9 840	30 517	11 569	41 977	D
3272	Glass and glass product manufacturing	3	115	31	2 019	71 442	1 511	2 700	45 624	160 836	95 704	255 904	11 615
32721	Glass and glass product manufacturing	3	115	31	2 019	71 442	1 511	2 700	45 624	160 836	95 704	255 904	11 615
327215	Glass product manufacturing made of purchased glass . .	3	94	28	g	D	D	D	D	D	D	D	8 171
3273	Cement and concrete product manufacturing	3	205	81	5 135	219 673	3 884	8 027	153 700	687 380	608 895	1 283 708	69 887
32732	Ready-mix concrete manufacturing	3	116	50	2 705	125 827	2 196	4 425	97 469	319 955	382 543	695 601	22 114
327320	Ready-mix concrete manufacturing	3	116	50	2 705	125 827	2 196	4 425	97 469	319 955	382 543	695 601	22 114
32733	Concrete pipe, brick, and block manufacturing	2	29	15	1 168	46 752	815	1 773	27 317	149 727	108 621	254 785	D
327331	Concrete block and brick manufacturing	3	22	12	984	39 504	661	1 436	22 053	132 135	94 894	224 510	11 225
32739	Other concrete product manufacturing	6	54	14	1 184	43 890	824	1 757	27 006	203 574	97 225	299 059	33 201
327390	Other concrete product manufacturing	6	54	14	1 184	43 890	824	1 757	27 006	203 574	97 225	299 059	33 201
3274	Lime and gypsum product manufacturing	—	11	4	359	18 437	281	623	13 066	30 223	78 830	109 131	D
32742	Gypsum product manufacturing	—	11	4	359	18 437	281	623	13 066	30 223	78 830	109 131	D
327420	Gypsum product manufacturing	—	11	4	359	18 437	281	623	13 066	30 223	78 830	109 131	D

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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
327	Nonmetallic mineral product manufacturing—Con.												
3279	Other nonmetallic mineral product manufacturing	5	135	32	2 067	83 649	1 531	3 203	53 692	220 456	155 091	371 736	D
32791	Abrasive product manufacturing	1	15	6	410	15 495	293	595	8 528	30 582	18 788	49 914	D
327910	Abrasive product manufacturing	1	15	6	410	15 495	293	595	8 528	30 582	18 788	49 914	D
32799	All other nonmetallic mineral product manufacturing	6	120	26	1 657	68 154	1 238	2 608	45 164	189 874	136 303	321 822	D
327991	Cut stone and stone product manufacturing	4	79	16	827	30 614	628	1 290	21 572	65 639	31 708	94 941	D
327993	Mineral wool manufacturing ..	9	12	4	455	22 803	352	768	15 609	59 356	64 795	123 671	3 243
331	Primary metal manufacturing	1	'213	'95	'8 303	'348 365	'6 016	'12 201	'222 489	'824 077	'837 680	'1 695 681	'34 065
3311	Iron and steel mills and ferroalloy manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	4	3	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	4	3	e	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	23	11	1 116	45 686	797	1 402	29 286	105 944	97 266	207 606	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	6	5	574	25 367	426	600	16 824	61 471	36 450	102 116	1 708
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	6	5	574	25 367	426	600	16 824	61 471	36 450	102 116	1 708
33122	Rolling and drawing of purchased steel	—	17	6	542	20 319	371	802	12 462	44 473	60 816	105 490	D
331222	Steel wire drawing	—	14	5	f	D	D	D	D	D	D	D	D
3313	Alumina and aluminum production and processing	2	14	5	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	2	14	5	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	1	92	37	2 944	128 996	1 889	3 866	75 004	308 441	366 830	696 600	14 521
33141	Nonferrous metal (except aluminum) smelting and refining	2	25	6	f	D	D	D	D	D	D	D	D
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2	25	6	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, and alloying	1	19	11	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	2	9	6	e	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing	2	6	3	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	48	20	1 480	65 863	996	2 062	40 145	146 672	223 708	388 537	7 048
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	27	11	959	42 735	711	1 492	29 146	84 305	108 570	193 887	D
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	—	21	9	521	23 128	285	570	10 999	62 367	115 138	194 650	D
3315	Foundries	2	'80	'39	'3 402	'132 170	'2 680	'5 633	'88 734	'276 285	'191 977	'475 653	'13 522
33151	Ferrous metal foundries	3	15	7	1 623	70 605	1 290	2 917	47 467	135 152	110 408	249 061	D
331511	Iron foundries	7	8	3	f	D	D	D	D	D	D	D	D
331512	Steel investment foundries ..	—	5	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	2	'65	'32	'1 779	'61 565	'1 390	'2 716	'41 267	'141 133	'81 569	'226 592	D
331522	Nonferrous (except aluminum) die-casting foundries	1	23	12	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting)	3	15	6	e	D	D	D	D	D	D	D	D

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing	3	2 596	591	'52 433	'1 971 964	'36 930	'73 170	'1 138 762	'4 296 397	'3 142 967	'7 417 428	'213 925
3321	Forging and stamping.....	3	172	57	4 425	174 809	3 362	6 899	109 418	369 253	316 729	685 583	21 802
33211	Forging and stamping.....	3	172	57	4 425	174 809	3 362	6 899	109 418	369 253	316 729	685 583	21 802
332111	Iron and steel forging	5	11	3	e	D	D	D	D	D	D	D	2 340
332114	Custom roll forming	3	13	7	374	15 161	294	636	9 405	41 701	57 919	100 758	D
332116	Metal stamping	2	140	43	3 422	130 264	2 591	5 258	81 274	251 260	168 181	414 868	10 353
3322	Cutlery and handtool manufacturing	—	81	29	3 074	96 172	2 545	4 819	68 238	262 709	169 298	432 796	10 515
33221	Cutlery and handtool manufacturing	—	81	29	3 074	96 172	2 545	4 819	68 238	262 709	169 298	432 796	10 515
332211	Cutlery and flatware (except precious) manufacturing ...	—	7	3	e	D	D	D	D	D	D	D	D
332212	Hand and edge tool manufacturing	1	60	20	2 068	65 460	1 648	3 047	43 896	203 150	114 953	319 724	D
332213	Saw blade and handsaw manufacturing	—	6	3	496	16 035	462	924	14 076	25 503	25 696	50 861	D
3323	Architectural and structural metals manufacturing	3	'700	'186	'16 469	'585 343	'11 188	'21 730	'330 704	'1 304 188	'1 144 042	'2 425 051	'51 834
33231	Plate work and fabricated structural product manufacturing	2	165	32	2 266	92 843	1 440	2 802	46 984	278 350	277 969	552 732	11 770
332311	Prefabricated metal building and component manufacturing	4	20	6	e	D	D	D	D	D	D	D	625
332312	Fabricated structural metal manufacturing	2	127	26	1 900	79 746	1 173	2 235	38 366	246 251	252 141	494 383	10 999
33232	Ornamental and architectural metal products manufacturing	3	'535	'154	'14 203	'492 500	'9 748	'18 928	'283 720	'1 025 838	'866 073	'1 872 319	'40 064
332321	Metal window and door manufacturing	3	113	50	4 730	145 201	3 228	6 633	82 152	309 568	266 587	572 821	10 185
332322	Sheet metal work manufacturing	2	'239	'74	'6 984	'250 951	'4 878	'9 039	'148 877	'529 484	'456 655	'969 129	'23 976
332323	Ornamental and architectural metal work manufacturing ..	3	183	30	2 489	96 348	1 642	3 256	52 691	186 786	142 831	330 369	5 903
3324	Boiler, tank, and shipping container manufacturing	3	54	22	1 857	84 352	1 371	2 896	52 302	197 836	201 578	403 250	10 326
33241	Power boiler and heat exchanger manufacturing	3	14	7	661	32 189	439	956	16 752	71 178	40 067	112 236	D
332410	Power boiler and heat exchanger manufacturing ..	3	14	7	661	32 189	439	956	16 752	71 178	40 067	112 236	D
33242	Metal tank (heavy gauge) manufacturing	2	21	7	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) manufacturing	2	21	7	f	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	3	19	8	f	D	D	D	D	D	D	D	D
332439	Other metal container manufacturing	3	15	5	e	D	D	D	D	D	D	D	D
3325	Hardware manufacturing	4	39	14	887	30 593	644	1 347	17 254	77 858	52 402	130 043	1 564
33251	Hardware manufacturing	4	39	14	887	30 593	644	1 347	17 254	77 858	52 402	130 043	1 564
332510	Hardware manufacturing	4	39	14	887	30 593	644	1 347	17 254	77 858	52 402	130 043	1 564
3326	Spring and wire product manufacturing	3	109	30	2 821	99 109	1 946	3 928	53 608	202 226	130 116	338 645	11 247
33261	Spring and wire product manufacturing	3	109	30	2 821	99 109	1 946	3 928	53 608	202 226	130 116	338 645	11 247
332612	Spring (light gauge) manufacturing	4	11	2	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product manufacturing	2	95	28	2 510	89 500	1 770	3 580	48 836	188 970	120 751	310 844	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	929	120	10 317	431 651	7 606	15 227	272 159	827 396	458 179	1 280 294	58 740
33271	Machine shops	3	751	72	6 156	271 243	4 538	8 899	169 836	491 672	273 073	759 805	38 252
332710	Machine shops	3	751	72	6 156	271 243	4 538	8 899	169 836	491 672	273 073	759 805	38 252
33272	Turned product and screw, nut, and bolt manufacturing	3	178	48	4 161	160 408	3 068	6 328	102 323	335 724	185 106	520 489	20 488
332721	Precision turned product manufacturing	2	130	32	2 485	99 667	1 849	3 848	65 158	192 964	90 295	281 078	14 165
332722	Bolt, nut, screw, rivet, and washer manufacturing	4	48	16	1 676	60 741	1 219	2 480	37 165	142 760	94 811	239 411	6 323

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	2	239	52	3 400	114 419	2 486	4 762	69 943	216 420	94 055	309 307	11 182
33281	Coating, engraving, heat treating, and allied activities ..	2	239	52	3 400	114 419	2 486	4 762	69 943	216 420	94 055	309 307	11 182
332811	Metal heat treating	1	23	12	615	24 342	419	879	14 094	52 570	23 685	76 218	984
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	2	87	19	1 276	39 108	953	1 853	25 914	75 891	32 679	107 086	5 402
332813	Electroplating, plating, polishing, anodizing, and coloring	2	129	21	1 509	50 969	1 114	2 030	29 935	87 959	37 691	126 003	4 796
3329	Other fabricated metal product manufacturing	2	'273	'81	'9 183	'355 516	'5 782	'11 562	'165 136	'838 511	'576 568	'1 412 459	'36 715
33291	Metal valve manufacturing	—	55	25	4 460	167 170	2 469	4 841	65 294	395 831	325 332	715 854	15 302
332911	Industrial valve manufacturing	—	22	12	2 305	95 784	1 016	1 985	31 992	217 732	206 893	426 274	11 400
332912	Fluid power valve and hose fitting manufacturing	1	14	7	g	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting and trim manufacturing	1	11	4	851	21 811	609	1 162	8 345	79 019	76 267	143 387	D
33299	All other fabricated metal product manufacturing	4	'218	'56	'4 723	'188 346	'3 313	'6 721	'99 842	'442 680	'251 236	'696 605	'21 413
332991	Ball and roller bearing manufacturing	9	'8	'2	'607	'30 801	'367	'716	'7 460	'61 300	'23 460	'85 309	'1 765
332995	Other ordnance and accessories manufacturing ..	9	3	2	326	16 860	179	345	6 045	48 403	15 624	64 191	D
332996	Fabricated pipe and pipe fitting manufacturing	3	29	11	705	27 419	480	1 017	16 323	63 930	46 928	110 495	2 183
332999	All other miscellaneous fabricated metal product manufacturing	2	145	38	2 779	101 915	2 039	4 156	61 237	240 642	156 617	399 819	15 320
333	Machinery manufacturing	2	'1 100	'310	'25 081	'1 089 678	'15 353	'30 143	'507 398	'2 385 033	'1 943 515	'4 332 726	'108 260
3331	Agriculture, construction, and mining machinery manufacturing	7	28	5	e	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	2	'237	'66	'5 095	'254 038	'2 593	'5 264	'98 549	'493 475	'531 172	'1 035 393	D
33322	Plastics and rubber industry machinery manufacturing	2	17	4	e	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing ..	2	17	4	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	2	'212	'60	'4 503	'226 132	'2 259	'4 629	'86 672	'444 040	'476 226	'927 437	D
333291	Paper industry machinery manufacturing	'4	'21	'4	'291	'12 713	'208	'344	'6 204	'28 224	'12 501	'40 498	'461
333293	Printing machinery and equipment manufacturing ..	1	45	16	1 131	62 776	444	905	18 555	124 153	187 610	310 209	7 421
333295	Semiconductor machinery manufacturing	—	12	8	755	43 074	311	766	12 368	92 865	101 909	194 014	9 640
333298	All other industrial machinery manufacturing	3	84	29	1 964	93 536	1 059	2 155	42 691	172 426	150 986	332 855	D
3333	Commercial and service industry machinery manufacturing	3	121	43	2 975	116 960	1 911	3 608	52 512	315 574	229 370	535 208	18 442
33331	Commercial and service industry machinery manufacturing	3	121	43	2 975	116 960	1 911	3 608	52 512	315 574	229 370	535 208	18 442
333314	Optical instrument and lens manufacturing	1	28	13	707	31 219	488	885	16 191	110 690	36 000	142 348	8 932
333315	Photographic and photocopying equipment manufacturing	1	25	9	936	35 993	500	893	10 403	83 680	78 324	159 902	D
333319	Other commercial and service industry machinery manufacturing	5	57	19	1 210	44 607	839	1 664	22 999	108 831	107 590	213 063	4 973
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	74	32	3 651	122 516	2 715	5 269	68 910	308 528	344 676	647 483	8 493

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	74	32	3 651	122 516	2 715	5 269	68 910	308 528	344 676	647 483	8 493
333411	Air purification equipment manufacturing	5	11	3	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) manufacturing	6	26	11	g	D	D	D	D	D	D	D	3 267
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2	33	16	2 098	67 696	1 665	3 173	43 218	174 520	233 502	401 906	4 595
3335	Metalworking machinery manufacturing	2	302	46	3 441	151 721	2 452	4 896	94 530	344 056	161 521	504 852	16 342
33351	Metalworking machinery manufacturing	2	302	46	3 441	151 721	2 452	4 896	94 530	344 056	161 521	504 852	16 342
333511	Industrial mold manufacturing	1	103	17	1 286	58 749	971	1 978	38 993	112 205	52 290	164 543	D
333512	Machine tool (metal cutting types) manufacturing	—	9	3	279	12 555	166	301	5 372	32 111	39 664	71 189	D
333514	Special die and tool, die set, jig, and fixture manufacturing	2	119	11	903	36 863	655	1 257	24 576	69 640	22 775	92 804	5 147
333515	Cutting tool and machine tool accessory manufacturing	2	58	9	715	29 708	494	1 013	18 099	103 146	30 345	132 963	D
3336	Engine, turbine, and power transmission equipment manufacturing	4	31	13	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	4	31	13	f	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing	5	16	7	583	18 525	406	828	11 085	35 202	20 392	55 676	989
3339	Other general purpose machinery manufacturing	2	'307	'105	'8 754	'402 645	'4 891	'9 587	'169 579	'835 530	'618 560	'1 463 839	'26 781
33391	Pump and compressor manufacturing	1	38	12	1 266	60 924	524	1 039	18 018	144 762	81 556	224 460	6 196
333911	Pump and pumping equipment manufacturing ..	2	21	7	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	—	15	4	f	D	D	D	D	D	D	D	D
33392	Material handling equipment manufacturing	3	74	31	2 420	110 876	1 491	3 209	53 676	210 180	205 680	413 919	5 400
333921	Elevator and moving stairway manufacturing	2	27	12	960	42 334	713	1 533	24 616	89 417	56 780	145 867	D
333922	Conveyor and conveying equipment manufacturing ..	1	28	13	1 049	51 883	564	1 201	22 368	77 038	95 785	170 929	D
333923	Overhead traveling crane, hoist, and monorail system manufacturing	6	8	5	280	11 198	151	339	4 021	33 574	44 586	78 455	D
33399	All other general purpose machinery manufacturing	2	'195	'62	'5 068	'230 845	'2 876	'5 339	'97 885	'480 588	'331 324	'825 460	'15 185
333993	Packaging machinery manufacturing	2	58	20	1 212	59 872	623	1 184	25 902	113 040	63 618	182 218	D
333994	Industrial process furnace and oven manufacturing ...	—	'20	'10	'596	'27 551	'319	'501	'11 018	'52 491	'52 409	'106 884	D
333995	Fluid power cylinder and actuator manufacturing	1	12	6	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	2	88	20	2 145	96 361	1 241	2 517	38 754	215 036	155 810	372 089	D
334	Computer and electronic product manufacturing	2	'918	'349	'43 113	'2 162 064	'23 288	'45 312	'867 673	'5 658 123	'3 786 826	'9 494 226	'283 858
3341	Computer and peripheral equipment manufacturing	1	73	13	1 423	63 708	835	1 530	28 807	304 739	458 642	768 853	53 624
33411	Computer and peripheral equipment manufacturing	1	73	13	1 423	63 708	835	1 530	28 807	304 739	458 642	768 853	53 624
334113	Computer terminal manufacturing	—	8	4	e	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment manufacturing ..	1	38	7	924	41 569	642	1 143	22 807	248 039	362 439	614 629	46 317

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
334	Computer and electronic product manufacturing—Con.												
3342	Communications equipment manufacturing	3	134	61	9 016	462 414	4 012	7 735	138 516	984 204	980 626	2 006 625	44 526
33421	Telephone apparatus manufacturing	5	32	14	g	D	D	D	D	D	D	D	16 616
334210	Telephone apparatus manufacturing	5	32	14	g	D	D	D	D	D	D	D	16 616
33422	Radio and television broadcasting and wireless communications equipment manufacturing	4	68	38	5 425	290 419	2 669	5 278	93 389	487 594	599 451	1 086 018	19 264
334220	Radio and television broadcasting and wireless communications equipment manufacturing	4	68	38	5 425	290 419	2 669	5 278	93 389	487 594	599 451	1 086 018	19 264
33429	Other communications equipment manufacturing	—	34	9	g	D	D	D	D	D	D	D	8 646
334290	Other communications equipment manufacturing ..	—	34	9	g	D	D	D	D	D	D	D	8 646
3343	Audio and video equipment manufacturing	'2	'34	'3	'392	'14 532	'222	'441	'4 977	'27 010	'40 401	'66 808	D
33431	Audio and video equipment manufacturing	'2	'34	'3	'392	'14 532	'222	'441	'4 977	'27 010	'40 401	'66 808	D
334310	Audio and video equipment manufacturing	'2	'34	'3	'392	'14 532	'222	'441	'4 977	'27 010	'40 401	'66 808	D
3344	Semiconductor and other electronic component manufacturing	1	280	135	14 404	621 354	9 362	19 478	314 843	2 073 329	1 066 408	3 146 242	D
33441	Semiconductor and other electronic component manufacturing	1	280	135	14 404	621 354	9 362	19 478	314 843	2 073 329	1 066 408	3 146 242	D
334411	Electron tube manufacturing .	1	8	5	e	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	1	31	10	1 995	68 708	1 170	2 341	27 905	158 731	95 571	258 865	D
334413	Semiconductor and related device manufacturing	1	54	24	2 825	160 518	1 722	3 523	78 222	344 811	171 285	514 610	D
334414	Electronic capacitor manufacturing	—	8	5	714	29 041	519	874	14 917	69 721	22 813	96 905	D
334415	Electronic resistor manufacturing	5	5	4	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, and other inductor manufacturing	1	21	9	f	D	D	D	D	D	D	D	D
334417	Electronic connector manufacturing	1	20	9	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	1	36	23	g	D	D	D	D	D	D	D	D
334419	Other electronic component manufacturing	—	97	46	4 588	202 556	2 822	5 702	93 830	370 153	229 585	617 969	17 992
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2	301	112	15 838	921 819	7 393	13 142	334 240	2 073 955	1 124 719	3 195 221	123 262
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	2	301	112	15 838	921 819	7 393	13 142	334 240	2 073 955	1 124 719	3 195 221	123 262
334510	Electromedical and electrotherapeutic apparatus manufacturing...	3	31	17	2 194	117 002	968	1 672	32 123	345 693	221 117	565 860	16 784
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	1	50	18	6 328	440 704	3 140	5 142	187 091	953 390	362 306	1 308 947	66 662
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use.....	3	19	8	e	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	4	49	14	1 080	54 379	579	1 231	24 404	125 015	64 248	190 973	9 640
334514	Totalizing fluid meter and counting device manufacturing	3	14	2	e	D	D	D	D	D	D	D	D
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2	46	15	1 882	80 914	840	1 568	25 513	190 263	137 747	331 722	8 451
334516	Analytical laboratory instrument manufacturing ..	2	30	10	1 147	65 722	407	816	13 718	132 612	99 366	232 590	3 969

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.													
334	Computer and electronic product manufacturing—Con.													
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.													
33451	Navigational, measuring, electromedical, and control instruments manufacturing—Con.													
334517	Irradiation apparatus manufacturing	4	15	8	f	D	D	D	D	D	D	D	D	
334518	Watch, clock, and part manufacturing	—	16	6	e	D	D	D	D	D	D	D	D	
334519	Other measuring and controlling device manufacturing	1	31	14	g	D	D	D	D	D	D	D	10 586	
3346	Manufacturing and reproducing magnetic and optical media	3	96	25		2 040	78 237	1 464	2 986	46 290	194 886	116 030	310 477	D
33461	Manufacturing and reproducing magnetic and optical media	3	96	25		2 040	78 237	1 464	2 986	46 290	194 886	116 030	310 477	D
334612	Prerecorded compact disc (except software), tape, and record reproducing	3	72	19		1 641	61 918	1 170	2 474	35 996	146 378	66 397	213 277	D
334613	Magnetic and optical recording media manufacturing	3	17	4	e	D	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	3	'412	'168		'15 263	'593 354	'10 328	'19 920	'307 967	'1 496 998	'1 275 298	'2 760 884	'51 363
3351	Electric lighting equipment manufacturing	2	132	51	h	D	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing	2	129	50	h	D	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture manufacturing	2	57	18		1 030	40 467	599	1 203	17 429	133 023	78 172	209 171	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	1	43	20		1 883	65 683	1 290	2 558	33 707	202 403	133 486	335 253	D
335129	Other lighting equipment manufacturing	3	29	12	f	D	D	D	D	D	D	D	D	D
3352	Household appliance manufacturing	6	8	3	e	D	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing	6	7	3	e	D	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing	7	5	2	e	D	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	5	'134	'48	h	D	D	D	D	D	D	D	D	'13 168
33531	Electrical equipment manufacturing	5	'134	'48	h	D	D	D	D	D	D	D	D	'13 168
335311	Power, distribution, and specialty transformer manufacturing	8	14	4		299	11 249	231	436	7 376	27 616	28 149	56 299	D
335312	Motor and generator manufacturing	1	'23	'8	f	D	D	D	D	D	D	D	D	'1 485
335313	Switchgear and switchboard apparatus manufacturing	4	31	15	g	D	D	D	D	D	D	D	D	D
335314	Relay and industrial control manufacturing	6	66	21	g	D	D	D	D	D	D	D	D	6 821
3359	Other electrical equipment and component manufacturing	2	138	66		6 666	258 546	4 641	8 695	141 036	565 578	636 453	1 196 848	D
33591	Battery manufacturing	—	7	4	f	D	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	6	3	f	D	D	D	D	D	D	D	D	D
33592	Communication and energy wire and cable manufacturing	3	30	16	g	D	D	D	D	D	D	D	D	D
335929	Other communication and energy wire manufacturing	2	26	13	f	D	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	2	39	20		2 690	89 471	1 999	3 409	55 054	200 851	198 933	398 089	6 845
335931	Current-carrying wiring device manufacturing	1	30	15	g	D	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	3	9	5	f	D	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan 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	3	62	26	g	D	D	D	D	D	D	5 883	
335991	Carbon and graphite product manufacturing	1	8	6	e	D	D	D	D	D	D	D	
335999	All other miscellaneous electrical equipment and component manufacturing	4	54	20	g	D	D	D	D	D	D	D	
336	Transportation equipment manufacturing	—	319	93	13 509	665 609	9 359	18 081	396 979	2 361 936	3 507 803	5 986 842	71 920
3361	Motor vehicle manufacturing	—	13	5	h	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	12	5	h	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	5	3	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body and trailer manufacturing	6	26	8	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body and trailer manufacturing	6	26	8	f	D	D	D	D	D	D	D	D
336211	Motor vehicle body manufacturing	5	20	6	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	2	158	39	h	D	D	D	D	D	D	D	12 143
33631	Motor vehicle gasoline engine and engine parts manufacturing	4	39	9	709	31 387	604	987	23 853	55 878	81 121	136 221	D
336312	Gasoline engine and engine parts manufacturing	3	34	8	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	3	38	8	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical and electronic equipment manufacturing	3	33	7	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	2	17	4	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	2	17	4	e	D	D	D	D	D	D	D	D
33636	Motor vehicle seating and interior trim manufacturing	—	7	5	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating and interior trim manufacturing	—	7	5	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	3	38	8	608	21 535	466	1 001	13 396	65 654	68 065	133 913	2 934
336399	All other motor vehicle parts manufacturing	3	38	8	608	21 535	466	1 001	13 396	65 654	68 065	133 913	2 934
3364	Aerospace product and parts manufacturing	1	63	31	4 884	248 089	2 563	5 429	97 230	803 036	451 170	1 241 353	47 802
33641	Aerospace product and parts manufacturing	1	63	31	4 884	248 089	2 563	5 429	97 230	803 036	451 170	1 241 353	47 802
336411	Aircraft manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	1	15	9	g	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	3	40	17	1 838	96 216	1 045	2 102	41 814	181 617	120 832	298 485	D
3366	Ship and boat building	5	45	6	f	D	D	D	D	D	D	D	D
33661	Ship and boat building	5	45	6	f	D	D	D	D	D	D	D	D
336611	Ship building and repairing	5	25	4	e	D	D	D	D	D	D	D	D
336612	Boat building	2	20	2	e	D	D	D	D	D	D	D	1 400
337	Furniture and related product manufacturing	4	'1 410	249	'20 231	'648 791	'15 139	'29 663	'399 981	'1 406 118	'1 079 567	'2 487 391	'39 662

See footnotes at end of table.

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

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

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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
337	Furniture and related product manufacturing—Con.												
3371	Household and institutional furniture and kitchen cabinet manufacturing	5	1 004	122	9 955	285 055	7 856	15 238	192 802	596 888	479 981	1 077 512	19 225
33711	Wood kitchen cabinet and countertop manufacturing ...	4	522	39	4 060	120 550	3 108	5 852	80 632	221 046	143 947	366 835	8 403
337110	Wood kitchen cabinet and countertop manufacturing ..	4	522	39	4 060	120 550	3 108	5 852	80 632	221 046	143 947	366 835	8 403
33712	Household and institutional furniture manufacturing	5	482	83	5 895	164 505	4 748	9 386	112 170	375 842	336 034	710 677	10 822
337121	Upholstered household furniture manufacturing	6	106	22	1 526	42 426	1 257	2 432	30 114	97 602	111 771	208 956	D
337122	Nonupholstered wood household furniture manufacturing	4	284	41	2 999	73 001	2 513	4 934	55 504	161 493	137 263	295 930	4 283
337124	Metal household furniture manufacturing	5	25	5	e	D	D	D	D	D	D	D	475
337127	Institutional furniture manufacturing	4	49	13	f	D	D	D	D	D	D	D	2 694
3372	Office furniture (including fixtures) manufacturing	2	'318	98	'7 041	'266 665	'4 829	'9 511	'147 242	'520 392	'338 795	'860 527	'11 843
33721	Office furniture (including fixtures) manufacturing	2	'318	98	'7 041	'266 665	'4 829	'9 511	'147 242	'520 392	'338 795	'860 527	'11 843
337211	Wood office furniture manufacturing	3	36	12	f	D	D	D	D	D	D	D	1 298
337212	Custom architectural woodwork and millwork manufacturing	2	'124	29	'2 185	'95 678	'1 484	'2 922	'54 236	'193 137	'113 725	'306 676	'4 274
337215	Showcase, partition, shelving, and locker manufacturing	3	140	56	3 923	137 416	2 631	5 076	70 584	249 185	182 058	432 380	5 798
3379	Other furniture related product manufacturing	4	88	29	3 235	97 071	2 454	4 914	59 937	288 838	260 791	549 352	8 594
33791	Mattress manufacturing	5	30	13	g	D	D	D	D	D	D	D	D
337910	Mattress manufacturing	5	30	13	g	D	D	D	D	D	D	D	D
33792	Blind and shade manufacturing	3	58	16	g	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing	3	58	16	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	2	'2 639	'549	'56 511	'2 165 009	'34 671	'66 907	'943 350	'5 522 578	'4 272 727	'9 920 555	'204 301
3391	Medical equipment and supplies manufacturing	1	804	147	20 812	985 033	10 477	20 495	337 650	2 630 910	924 821	3 665 329	104 547
33911	Medical equipment and supplies manufacturing	1	804	147	20 812	985 033	10 477	20 495	337 650	2 630 910	924 821	3 665 329	104 547
339111	Laboratory apparatus and furniture manufacturing	—	37	17	1 597	69 985	859	1 628	27 987	134 707	79 962	214 296	4 784
339112	Surgical and medical instrument manufacturing ..	3	80	29	3 206	140 153	1 784	3 585	52 728	491 060	169 561	664 994	21 821
339113	Surgical appliance and supplies manufacturing	—	112	46	11 171	603 315	4 562	8 956	157 513	1 655 974	514 810	2 275 237	51 269
339114	Dental equipment and supplies manufacturing	4	59	14	1 172	49 356	682	1 338	21 030	117 201	90 274	205 925	15 758
339115	Ophthalmic goods manufacturing	3	32	9	663	24 056	439	853	11 077	62 392	27 050	89 417	2 576
339116	Dental laboratories	4	484	32	3 003	98 168	2 151	4 135	67 315	169 576	43 164	215 460	8 339
3399	Other miscellaneous manufacturing	2	'1 835	'402	'35 699	'1 179 976	'24 194	'46 412	'605 700	'2 891 668	'3 347 906	'6 255 226	'99 754
33991	Jewelry and silverware manufacturing	2	757	144	13 695	455 773	9 017	16 558	230 565	1 274 616	2 134 301	3 417 406	30 545
339911	Jewelry (except costume) manufacturing	2	551	107	10 379	364 202	6 879	12 650	185 687	1 018 055	1 679 448	2 722 299	23 806
339913	Jewelers' material and lapidary work manufacturing	2	94	18	2 185	57 810	1 386	2 537	30 429	166 903	398 634	548 506	5 156
339914	Costume jewelry and novelty manufacturing	2	93	15	f	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing	2	57	17	1 125	35 930	711	1 393	16 322	104 766	90 702	197 783	D
339920	Sporting and athletic goods manufacturing	2	57	17	1 125	35 930	711	1 393	16 322	104 766	90 702	197 783	D
33993	Doll, toy, and game manufacturing	1	55	13	1 264	44 491	669	1 318	16 772	195 942	188 434	389 791	D
339931	Doll and stuffed toy manufacturing	1	18	4	e	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	1	37	9	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
33994	Office supplies (except paper) manufacturing	2	77	21	1 598	47 909	1 138	2 317	28 973	118 986	91 186	208 133	4 935
339941	Pen and mechanical pencil manufacturing	2	22	11	810	24 522	634	1 269	15 782	55 697	42 429	98 082	D
339942	Lead pencil and art good manufacturing	1	15	3	250	7 932	144	315	4 335	30 112	19 963	48 397	2 381
339943	Marking device manufacturing	1	35	5	439	12 030	302	634	7 110	26 123	19 612	45 430	931
33995	Sign manufacturing	3	'385	'75	'6 768	'247 409	'4 399	'9 027	'117 222	'495 750	'317 287	'812 064	'21 587
339950	Sign manufacturing	3	'385	'75	'6 768	'247 409	'4 399	'9 027	'117 222	'495 750	'317 287	'812 064	'21 587
33999	All other miscellaneous manufacturing	3	504	132	11 249	348 464	8 260	15 799	195 846	701 608	525 996	1 230 049	30 374
339991	Gasket, packing, and sealing device manufacturing	3	31	14	961	35 063	650	1 318	19 724	70 830	46 517	117 162	D
339992	Musical instrument manufacturing	—	41	5	1 526	54 553	1 236	2 323	35 197	116 549	47 225	161 809	3 911
339993	Fastener, button, needle, and pin manufacturing	2	34	9	f	D	D	D	D	D	D	D	D
339994	Broom, brush, and mop manufacturing	4	29	11	794	21 894	639	1 311	14 127	51 093	38 445	89 767	D
339999	All other miscellaneous manufacturing	3	364	92	7 348	217 654	5 281	9 991	115 696	431 004	361 751	797 225	20 191
	Edison, NJ Metropolitan Division												
31-33	Manufacturing	2	'2 142	'657	'87 468	'4 062 243	'50 682	'100 352	'1 746 196	'10 005 029	'9 264 270	'19 321 959	'810 829
311	Food manufacturing	1	'203	'43	'4 124	'143 989	'2 836	'5 209	'83 015	'448 650	'411 287	'860 011	'27 737
3113	Sugar and confectionery product manufacturing	2	18	5	574	23 712	430	808	14 128	77 752	81 040	161 947	3 620
31134	Nonchocolate confectionery manufacturing	—	5	3	384	17 420	276	510	9 662	54 330	68 381	125 817	D
311340	Nonchocolate confectionery manufacturing	—	5	3	384	17 420	276	510	9 662	54 330	68 381	125 817	D
3115	Dairy product manufacturing	—	9	4	566	15 249	489	1 010	9 572	54 360	82 911	137 142	5 225
31152	Ice cream and frozen dessert manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
311520	Ice cream and frozen dessert manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	1	13	3	400	18 590	321	617	13 238	54 153	27 542	82 026	2 715
31161	Animal slaughtering and processing	1	13	3	400	18 590	321	617	13 238	54 153	27 542	82 026	2 715
311612	Meat processed from carcasses	—	6	2	321	15 836	260	497	11 753	49 534	12 046	61 918	2 244
3118	Bakeries and tortilla manufacturing	1	125	15	1 303	29 857	792	1 228	15 669	89 426	66 294	155 301	2 801
31181	Bread and bakery product manufacturing	1	121	13	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	3	101	6	f	D	D	D	D	D	D	D	764
311812	Commercial bakeries	—	18	6	459	13 359	271	468	6 363	38 511	36 534	74 915	995
3119	Other food manufacturing	1	'27	'12	'1 052	'50 539	'627	'1 219	'26 720	'155 632	'135 460	'288 172	'12 945
31192	Coffee and tea manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	1	5	4	323	16 862	158	361	6 170	40 498	37 907	77 712	1 269
312	Beverage and tobacco product manufacturing	—	8	3	583	30 385	218	447	9 934	130 624	152 548	283 639	D
3121	Beverage manufacturing	—	7	3	f	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
313	Textile mills	4	28	10	f	D	D	D	D	D	D	D	D
3132	Fabric mills	6	9	4	405	10 429	326	615	6 616	32 955	35 127	68 031	D
31324	Knit fabric mills	9	3	2	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	1	17	5	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Edison, NJ Metropolitan Division—Con.												
314	Textile product mills	2	61	8	1 371	35 779	1 024	1 963	20 531	88 929	76 929	172 351	D
3141	Textile furnishings mills	1	20	3	301	6 946	264	521	5 332	21 040	20 069	41 162	D
31412	Curtain and linen mills	1	20	3	301	6 946	264	521	5 332	21 040	20 069	41 162	D
3149	Other textile product mills	3	41	5	1 070	28 833	760	1 442	15 199	67 889	56 860	131 189	D
31499	All other textile product mills ...	2	16	4	932	25 073	655	1 251	12 909	61 124	50 790	118 357	D
314999	All other miscellaneous textile product mills	2	14	3	f	D	D	D	D	D	D	D	471
315	Apparel manufacturing	1	40	8	1 806	41 009	1 447	2 472	26 652	89 441	111 745	200 828	3 351
3151	Apparel knitting mills	—	6	1	e	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	—	5	1	e	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills	—	5	1	e	D	D	D	D	D	D	D	D
3152	Cut and sew apparel manufacturing	2	25	7	g	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	—	4	2	294	6 771	208	391	3 467	12 363	7 418	20 384	D
31523	Women's and girls' cut and sew apparel manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
31529	Other cut and sew apparel manufacturing	8	4	2	e	D	D	D	D	D	D	D	D
315292	Fur and leather apparel manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	3	42	16	1 067	33 547	785	1 506	19 150	51 430	75 072	128 614	D
3219	Other wood product manufacturing	3	37	11	f	D	D	D	D	D	D	D	D
32191	Millwork	3	22	8	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	1	10	3	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	43	26	2 833	130 757	2 050	4 535	77 361	344 339	453 597	795 601	13 531
3221	Pulp, paper, and paperboard mills	—	1	1	e	D	D	D	D	D	D	D	D
32212	Paper mills	—	1	1	e	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	42	25	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	2	20	14	1 153	49 745	867	1 955	29 555	161 434	181 438	344 003	5 168
322211	Corrugated and solid fiber box manufacturing	3	10	8	583	27 842	398	900	13 927	87 322	134 600	222 380	2 817
322212	Folding paperboard box manufacturing	—	4	2	411	16 627	339	771	11 688	50 222	18 864	69 337	D
32222	Paper bag and coated and treated paper manufacturing ..	1	14	8	945	44 914	628	1 344	24 372	109 962	191 493	300 420	D
322222	Coated and laminated paper manufacturing	1	10	7	854	40 902	564	1 194	22 175	103 910	178 811	280 937	5 142
32229	Other converted paper product manufacturing	1	7	3	e	D	D	D	D	D	D	D	2 314
322299	All other converted paper product manufacturing	—	4	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	4	256	40	4 039	179 044	3 047	5 484	126 710	389 458	249 621	636 916	23 701
3231	Printing and related support activities	4	256	40	4 039	179 044	3 047	5 484	126 710	389 458	249 621	636 916	23 701
32311	Printing	4	233	36	3 736	169 004	2 809	5 050	120 049	371 356	244 536	613 719	22 097
323110	Commercial lithographic printing	4	95	24	2 559	131 420	1 963	3 555	96 916	270 284	192 477	463 451	16 819
323113	Commercial screen printing ..	2	32	3	369	10 405	288	530	5 624	26 726	19 519	42 250	554
323114	Quick printing	2	69	4	436	13 021	272	474	7 267	32 876	9 131	43 029	3 398
32312	Support activities for printing ...	6	23	4	303	10 040	238	434	6 661	18 102	5 085	23 197	1 604

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Edison, NJ Metropolitan Division—Con.												
324	Petroleum and coal products manufacturing	2	22	7	611	33 444	336	690	16 749	188 515	403 342	583 578	20 250
3241	Petroleum and coal products manufacturing	2	22	7	611	33 444	336	690	16 749	188 515	403 342	583 578	20 250
32419	Other petroleum and coal products manufacturing	—	5	3	e	D	D	D	D	D	D	D	986
324191	Petroleum lubricating oil and grease manufacturing	—	5	3	e	D	D	D	D	D	D	D	986
325	Chemical manufacturing	2	203	125	27 278	1 639 876	9 802	20 140	418 800	4 454 018	2 832 014	7 324 569	475 497
3251	Basic chemical manufacturing ...	1	28	22	1 582	108 054	854	1 760	49 624	416 243	391 044	807 175	28 969
32518	Other basic inorganic chemical manufacturing	3	8	7	434	23 627	239	491	11 983	79 478	76 820	157 776	D
325188	All other basic inorganic chemical manufacturing	3	8	7	434	23 627	239	491	11 983	79 478	76 820	157 776	D
32519	Other basic organic chemical manufacturing	—	14	11	977	76 090	504	1 057	32 357	316 261	295 263	609 794	22 740
325199	All other basic organic chemical manufacturing	—	14	11	977	76 090	504	1 057	32 357	316 261	295 263	609 794	22 740
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	—	14	10	759	45 406	521	1 092	28 714	129 070	197 842	328 022	3 608
32521	Resin and synthetic rubber manufacturing	—	14	10	759	45 406	521	1 092	28 714	129 070	197 842	328 022	3 608
325211	Plastics material and resin manufacturing	—	13	10	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	5	53	33	15 530	1 011 591	3 253	6 573	130 670	1 884 824	551 316	2 471 542	333 365
32541	Pharmaceutical and medicine manufacturing	5	53	33	15 530	1 011 591	3 253	6 573	130 670	1 884 824	551 316	2 471 542	333 365
325411	Medicinal and botanical manufacturing	2	13	6	699	27 214	499	750	17 045	84 073	81 670	163 868	D
325412	Pharmaceutical preparation manufacturing	6	31	22	13 125	860 772	2 368	4 993	87 323	1 527 757	395 510	1 960 918	319 051
325413	In-vitro diagnostic substance manufacturing	—	5	2	g	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	—	16	7	487	19 963	305	617	9 209	176 787	139 165	314 613	7 560
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	49	32	7 277	363 958	3 849	7 876	152 331	1 589 113	1 294 702	2 889 957	91 186
32561	Soap and cleaning compound manufacturing	—	10	6	717	33 817	474	879	21 395	416 594	244 499	664 078	9 815
325611	Soap and other detergent manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	39	26	6 560	330 141	3 375	6 997	130 936	1 172 519	1 050 203	2 225 879	81 371
325620	Toilet preparation manufacturing	—	39	26	6 560	330 141	3 375	6 997	130 936	1 172 519	1 050 203	2 225 879	81 371
3259	Other chemical product and preparation manufacturing	—	36	18	1 520	86 048	963	2 104	46 759	244 924	237 467	478 788	10 137
32599	All other chemical product and preparation manufacturing ...	—	32	17	1 464	83 426	923	2 025	45 001	238 110	234 447	468 919	9 718
325991	Custom compounding of purchased resins	—	8	4	e	D	D	D	D	D	D	D	D
325992	Photographic film, paper, plate, and chemical manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	2	20	10	594	26 171	327	733	11 362	70 064	89 796	159 614	D
326	Plastics and rubber products manufacturing	1	'133	'77	'10 109	'332 155	'6 959	'14 496	'182 430	'735 630	'740 276	'1 481 695	'68 532
3261	Plastics product manufacturing ..	1	'118	'67	'8 681	'282 172	'5 935	'12 420	'152 857	'582 998	'583 603	'1 170 271	'55 684
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	—	10	4	288	11 871	202	293	7 069	50 938	63 724	115 263	5 306
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	2	11	8	744	29 503	578	1 361	18 874	67 874	34 008	104 172	3 551
326121	Unlaminated plastics profile shape manufacturing	2	10	7	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Edison, NJ Metropolitan Division—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32614	Polystyrene foam product manufacturing	—	7	4	716	25 638	400	884	10 936	56 328	50 349	107 165	5 532
326140	Polystyrene foam product manufacturing	—	7	4	716	25 638	400	884	10 936	56 328	50 349	107 165	5 532
32615	Urethane and other foam product (except polystyrene) manufacturing	—	'3	'3	'275	'10 513	'116	'247	'2 933	'25 538	'15 557	'40 740	'1 158
326150	Urethane and other foam product (except polystyrene) manufacturing	—	'3	'3	'275	'10 513	'116	'247	'2 933	'25 538	'15 557	'40 740	'1 158
32616	Plastics bottle manufacturing ..	—	5	5	846	28 694	710	1 574	22 279	73 253	58 752	130 373	18 198
326160	Plastics bottle manufacturing	—	5	5	846	28 694	710	1 574	22 279	73 253	58 752	130 373	18 198
32619	Other plastics product manufacturing	2	78	40	5 604	167 838	3 763	7 715	85 018	288 055	338 667	629 002	20 957
326199	All other plastics product manufacturing	2	77	40	i	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ..	1	15	10	1 428	49 983	1 024	2 076	29 573	152 632	156 673	311 424	12 848
32629	Other rubber product manufacturing	1	14	10	g	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	1	9	6	1 295	44 556	946	1 908	27 056	142 874	151 943	296 007	12 646
327	Nonmetallic mineral product manufacturing	4	66	28	2 500	106 970	1 865	4 030	71 624	264 400	247 454	502 190	15 951
3271	Clay product and refractory manufacturing	—	8	3	e	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	5	33	18	1 691	72 022	1 255	2 718	48 251	155 498	161 823	308 226	9 790
32732	Ready-mix concrete manufacturing	7	15	7	700	32 894	604	1 321	25 885	63 485	95 172	151 541	7 278
327320	Ready-mix concrete manufacturing	7	15	7	700	32 894	604	1 321	25 885	63 485	95 172	151 541	7 278
32733	Concrete pipe, brick, and block manufacturing	6	6	5	578	21 929	374	807	11 920	59 139	41 452	100 048	D
327331	Concrete block and brick manufacturing	6	6	5	578	21 929	374	807	11 920	59 139	41 452	100 048	D
32739	Other concrete product manufacturing	—	12	6	413	17 199	277	590	10 446	32 874	25 199	56 637	D
327390	Other concrete product manufacturing	—	12	6	413	17 199	277	590	10 446	32 874	25 199	56 637	D
3279	Other nonmetallic mineral product manufacturing	6	18	4	295	14 311	188	434	7 837	34 284	37 770	70 992	2 453
32799	All other nonmetallic mineral product manufacturing	6	17	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	31	19	2 485	113 495	1 874	3 703	80 149	273 822	272 387	551 320	9 552
3311	Iron and steel mills and ferroalloy manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33111	Iron and steel mills and ferroalloy manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
331111	Iron and steel mills	—	1	1	e	D	D	D	D	D	D	D	D
3312	Steel product manufacturing from purchased steel	—	4	3	413	19 207	311	372	12 736	50 850	22 353	77 307	D
33121	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	e	D	D	D	D	D	D	D	D
331210	Iron and steel pipe and tube manufacturing from purchased steel	—	3	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	14	8	894	39 515	612	1 342	25 425	87 632	97 251	185 780	4 843
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	8	6	635	28 477	463	990	19 473	51 011	71 104	123 868	3 408
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	5	4	f	D	D	D	D	D	D	D	3 268

See footnotes at end of table.

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

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New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.													
Edison, NJ Metropolitan Division—Con.													
331	Primary metal manufacturing—Con.												
3315	Foundries	7	10	7	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	9	3	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries	9	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	307	60	6 821	249 206	5 044	9 839	149 525	604 715	675 765	1 273 867	29 135
3321	Forging and stamping	4	19	7	483	18 169	376	794	12 108	48 081	59 080	107 310	2 391
33211	Forging and stamping	4	19	7	483	18 169	376	794	12 108	48 081	59 080	107 310	2 391
332116	Metal stamping	1	12	4	314	10 972	243	509	7 346	22 310	20 349	41 972	D
3323	Architectural and structural metals manufacturing	1	70	21	2 576	81 889	1 804	3 359	42 857	236 362	359 444	586 167	9 917
33231	Plate work and fabricated structural product manufacturing	—	26	6	687	24 121	449	742	11 461	98 298	138 493	232 710	5 609
332312	Fabricated structural metal manufacturing	—	20	5	646	22 623	425	695	10 811	95 346	135 566	226 814	5 511
33232	Ornamental and architectural metal products manufacturing	1	44	15	1 889	57 768	1 355	2 617	31 396	138 064	220 951	353 457	4 308
332321	Metal window and door manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	1	24	10	859	32 242	581	1 180	17 258	83 664	181 442	259 463	2 461
3324	Boiler, tank, and shipping container manufacturing	2	10	5	430	20 480	357	733	15 522	51 862	97 269	151 030	2 035
33243	Metal can, box, and other metal container (light gauge) manufacturing	2	5	4	365	16 297	316	650	13 060	43 823	84 372	130 649	D
332439	Other metal container manufacturing	4	4	3	e	D	D	D	D	D	D	D	1 074
3326	Spring and wire product manufacturing	—	16	5	755	32 074	538	1 085	18 135	66 145	38 063	105 703	2 348
33261	Spring and wire product manufacturing	—	16	5	755	32 074	538	1 085	18 135	66 145	38 063	105 703	2 348
332618	Other fabricated wire product manufacturing	—	14	5	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	119	8	1 322	49 702	1 054	2 080	33 173	104 165	58 943	161 647	5 385
33271	Machine shops	4	103	4	696	27 854	559	1 066	19 214	49 794	22 657	70 967	2 286
332710	Machine shops	4	103	4	696	27 854	559	1 066	19 214	49 794	22 657	70 967	2 286
33272	Turned product and screw, nut, and bolt manufacturing	2	16	4	626	21 848	495	1 014	13 959	54 371	36 286	90 680	3 099
332722	Bolt, nut, screw, rivet, and washer manufacturing	2	6	3	552	19 492	436	900	12 099	50 886	32 883	83 792	2 984
3328	Coating, engraving, heat treating, and allied activities	—	24	4	263	10 137	185	350	6 065	18 706	9 499	28 610	4 425
33281	Coating, engraving, heat treating, and allied activities ..	—	24	4	263	10 137	185	350	6 065	18 706	9 499	28 610	4 425
3329	Other fabricated metal product manufacturing	3	36	8	823	30 607	601	1 177	17 940	64 858	44 646	109 915	2 251
33291	Metal valve manufacturing	1	4	3	273	10 633	174	327	3 991	17 256	18 773	36 330	504
33299	All other fabricated metal product manufacturing	3	32	5	550	19 974	427	850	13 949	47 602	25 873	73 585	1 747
332999	All other miscellaneous fabricated metal product manufacturing	2	17	2	363	12 321	280	541	8 376	29 843	16 757	46 551	1 277
333	Machinery manufacturing	1	125	39	3 690	145 378	2 461	4 549	76 576	334 889	357 844	677 271	9 980
3332	Industrial machinery manufacturing	—	25	9	542	24 406	313	593	11 059	53 335	56 055	105 362	D
33329	Other industrial machinery manufacturing	1	22	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.]

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Edison, NJ Metropolitan Division—Con.												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	9	5	1 343	40 801	1 112	2 169	28 659	113 519	169 068	276 592	2 331
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	9	5	1 343	40 801	1 112	2 169	28 659	113 519	169 068	276 592	2 331
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	29	3	275	11 498	183	357	7 168	29 890	8 395	38 817	807
33351	Metalworking machinery manufacturing	1	29	3	275	11 498	183	357	7 168	29 890	8 395	38 817	807
3339	Other general purpose machinery manufacturing	2	43	14	1 161	50 380	615	1 008	20 032	96 329	67 301	160 816	2 521
33399	All other general purpose machinery manufacturing	3	32	11	818	33 675	468	702	13 769	61 667	43 329	105 993	1 729
334	Computer and electronic product manufacturing	3	133	53	5 590	283 685	3 054	5 934	114 362	507 153	467 884	1 000 352	46 215
3342	Communications equipment manufacturing	5	25	14	1 633	82 753	877	1 761	29 299	108 740	146 225	283 661	D
33421	Telephone apparatus manufacturing	1	8	3	387	23 284	185	346	8 800	16 573	38 371	81 706	D
334210	Telephone apparatus manufacturing	1	8	3	387	23 284	185	346	8 800	16 573	38 371	81 706	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	6	13	10	g	D	D	D	D	D	D	D	2 993
334220	Radio and television broadcasting and wireless communications equipment manufacturing	6	13	10	g	D	D	D	D	D	D	D	2 993
3344	Semiconductor and other electronic component manufacturing	3	39	20	1 774	90 331	1 035	1 987	39 189	148 414	96 463	241 224	10 577
33441	Semiconductor and other electronic component manufacturing	3	39	20	1 774	90 331	1 035	1 987	39 189	148 414	96 463	241 224	10 577
334413	Semiconductor and related device manufacturing	2	10	7	843	57 694	450	940	23 795	83 642	50 141	130 696	4 980
334419	Other electronic component manufacturing	1	15	4	304	12 451	217	370	6 310	19 688	12 209	32 331	454
3345	Navigational, measuring, electromedical, and control instruments manufacturing	3	45	14	1 893	99 012	964	1 825	40 869	222 577	183 906	409 533	13 762
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	3	45	14	1 893	99 012	964	1 825	40 869	222 577	183 906	409 533	13 762
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	3	4	4	1 007	50 133	524	914	20 016	110 086	126 002	234 334	5 840
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	6	12	4	289	17 830	210	483	12 927	46 288	14 154	63 513	D
334516	Analytical laboratory instrument manufacturing ..	—	5	2	257	14 860	88	191	3 046	27 430	24 146	51 657	441
335	Electrical equipment, appliance, and component manufacturing	1	50	17	1 727	69 844	1 166	2 343	37 776	128 367	216 174	341 541	10 630
3353	Electrical equipment manufacturing	5	24	4	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	5	24	4	e	D	D	D	D	D	D	D	D

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Edison, NJ Metropolitan Division—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing	—	16	8	1 193	50 096	821	1 643	29 028	86 578	186 440	269 831	9 852
33591	Battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	1	9	4	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	2	8	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	41	13	2 179	111 126	1 856	3 373	87 526	129 168	991 274	1 137 577	7 626
3361	Motor vehicle manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	3	3	g	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	18	5	f	D	D	D	D	D	D	D	1 991
337	Furniture and related product manufacturing	2	137	27	2 453	81 356	1 769	3 530	48 816	175 695	137 250	312 338	3 798
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	98	11	f	D	D	D	D	D	D	D	2 032
33711	Wood kitchen cabinet and countertop manufacturing	3	63	7	594	16 900	454	818	12 249	26 938	22 523	49 899	1 592
337110	Wood kitchen cabinet and countertop manufacturing ..	3	63	7	594	16 900	454	818	12 249	26 938	22 523	49 899	1 592
33712	Household and institutional furniture manufacturing	1	35	4	e	D	D	D	D	D	D	D	440
3372	Office furniture (including fixtures) manufacturing	2	30	12	882	38 286	554	1 179	19 334	63 707	46 819	109 856	1 122
33721	Office furniture (including fixtures) manufacturing	2	30	12	882	38 286	554	1 179	19 334	63 707	46 819	109 856	1 122
337212	Custom architectural woodwork and millwork manufacturing	3	13	6	e	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, and locker manufacturing	1	16	6	497	19 419	320	694	9 792	32 124	29 134	60 713	699
3379	Other furniture related product manufacturing	—	9	4	f	D	D	D	D	D	D	D	644
33792	Blind and shade manufacturing	1	6	3	e	D	D	D	D	D	D	D	D
337920	Blind and shade manufacturing	1	6	3	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	'208	'37	'5 402	'274 347	'2 480	'4 919	'81 480	'596 542	'312 267	'908 111	'25 542
3391	Medical equipment and supplies manufacturing	1	96	22	3 540	202 228	1 449	2 902	51 398	411 515	196 055	599 280	18 459
33911	Medical equipment and supplies manufacturing	1	96	22	3 540	202 228	1 449	2 902	51 398	411 515	196 055	599 280	18 459
339112	Surgical and medical instrument manufacturing ..	5	14	5	752	32 772	507	1 018	15 196	77 188	25 699	102 381	3 700
339113	Surgical appliance and supplies manufacturing	—	10	6	1 997	138 843	380	785	17 360	270 224	154 981	416 813	11 537
339114	Dental equipment and supplies manufacturing	—	7	4	e	D	D	D	D	D	D	D	D
339116	Dental laboratories	4	54	4	326	10 323	244	451	7 245	17 441	4 014	21 373	509
3399	Other miscellaneous manufacturing	1	'112	'15	'1 862	'72 119	'1 031	'2 017	'30 082	'185 027	'116 212	'308 831	'7 083
33993	Doll, toy, and game manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
33995	Sign manufacturing	—	'37	'5	'542	'28 005	'230	'464	'8 546	'52 642	'31 159	'88 900	'1 869
339950	Sign manufacturing	—	'37	'5	'542	'28 005	'230	'464	'8 546	'52 642	'31 159	'88 900	'1 869
33999	All other miscellaneous manufacturing	4	46	5	610	18 527	419	815	11 301	41 401	32 661	74 041	2 094
339999	All other miscellaneous manufacturing	3	30	3	327	9 279	193	344	4 583	20 538	18 579	39 138	865

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division												
31-33	Manufacturing	1	'2 997	'927	'98 010	'4 165 138	'62 882	'122 610	'2 128 971	'16 495 951	'13 965 618	'30 735 330	'923 892
311	Food manufacturing	1	240	62	7 527	243 000	5 177	9 660	150 243	947 634	998 732	1 944 899	37 708
3114	Fruit and vegetable preserving and specialty food manufacturing	—	10	5	792	26 572	622	1 102	18 446	109 744	159 616	269 487	4 408
31142	Fruit and vegetable canning, pickling, and drying	—	6	3	662	22 995	497	847	15 164	91 023	149 310	240 460	4 030
311421	Fruit and vegetable canning	—	5	3	f	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing	1	19	8	1 021	42 666	626	1 363	27 575	169 937	299 505	469 518	7 807
31151	Dairy product (except frozen) manufacturing	1	11	5	912	38 949	547	1 237	25 291	160 896	290 700	451 919	D
311511	Fluid milk manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3116	Animal slaughtering and processing	2	26	10	806	31 770	556	1 151	18 066	70 133	105 396	177 238	3 910
31161	Animal slaughtering and processing	2	26	10	806	31 770	556	1 151	18 066	70 133	105 396	177 238	3 910
311612	Meat processed from carcasses	2	14	7	569	21 658	452	909	14 176	37 983	74 372	113 326	2 399
3117	Seafood product preparation and packaging	6	2	2	e	D	D	D	D	D	D	D	D
31171	Seafood product preparation and packaging	6	2	2	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	2	139	22	2 842	76 420	1 886	3 458	48 704	248 387	122 741	372 015	8 240
31181	Bread and bakery product manufacturing	4	133	19	g	D	D	D	D	D	D	D	D
311811	Retail bakeries	4	100	7	f	D	D	D	D	D	D	D	1 564
311812	Commercial bakeries	4	32	11	1 124	32 537	698	1 215	17 913	94 487	38 861	133 271	2 170
31182	Cookie, cracker, and pasta manufacturing	—	6	3	f	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	1	27	9	1 397	42 663	968	1 868	25 528	280 152	174 150	451 087	6 268
31199	All other food manufacturing	—	15	5	896	22 717	568	1 198	11 113	143 592	75 904	219 965	D
311999	All other miscellaneous food manufacturing	—	12	5	875	22 074	549	1 163	10 598	142 295	74 850	217 614	D
312	Beverage and tobacco product manufacturing	—	16	5	1 615	80 132	1 105	2 064	49 173	575 680	391 280	968 392	39 176
3121	Beverage manufacturing	—	13	5	1 610	80 021	1 102	2 060	49 116	575 384	391 246	968 062	39 171
31211	Soft drink and ice manufacturing	1	10	4	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	1	5	3	f	D	D	D	D	D	D	D	D
31212	Breweries	—	1	1	f	D	D	D	D	D	D	D	D
312120	Breweries	—	1	1	f	D	D	D	D	D	D	D	D
313	Textile mills	3	31	9	f	D	D	D	D	D	D	D	D
3132	Fabric mills	3	15	4	f	D	D	D	D	D	D	D	D
31322	Narrow fabric mills and schiffli machine embroidery	—	4	2	e	D	D	D	D	D	D	D	D
313221	Narrow fabric mills	—	4	2	e	D	D	D	D	D	D	D	D
3133	Textile and fabric finishing and fabric coating mills	2	15	5	e	D	D	D	D	D	D	D	D
314	Textile product mills	2	64	20	1 547	37 922	1 285	2 377	24 799	80 959	86 554	166 730	D
3141	Textile furnishings mills	2	34	7	644	14 983	527	919	9 802	38 732	46 390	84 229	D
31412	Curtain and linen mills	2	30	7	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	2	11	5	469	11 314	397	752	7 869	31 811	40 654	71 573	617
3149	Other textile product mills	2	30	13	903	22 939	758	1 458	14 997	42 227	40 164	82 501	D
31499	All other textile product mills	2	27	13	891	22 403	750	1 445	14 704	41 398	39 692	81 197	D
314999	All other miscellaneous textile product mills	1	26	13	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
315	Apparel manufacturing	1	85	24	2 427	66 991	1 937	3 476	38 743	166 677	292 806	472 029	D
3152	Cut and sew apparel manufacturing	1	65	16	1 840	55 406	1 425	2 500	30 129	145 480	257 517	414 174	D
31521	Cut and sew apparel contractors	7	29	6	f	D	D	D	D	D	D	D	D
315212	Women's, girls', and infants' cut and sew apparel contractors	7	23	5	f	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing	2	10	4	e	D	D	D	D	D	D	D	D
31523	Women's and girls' cut and sew apparel manufacturing	—	19	3	827	36 911	514	807	15 826	116 524	241 423	368 933	D
315239	Women's and girls' cut and sew other outerwear manufacturing	—	9	2	f	D	D	D	D	D	D	D	D
3159	Apparel accessories and other apparel manufacturing	—	13	6	361	6 287	315	635	4 428	14 837	27 485	43 254	D
31599	Apparel accessories and other apparel manufacturing	—	13	6	361	6 287	315	635	4 428	14 837	27 485	43 254	D
315991	Hat, cap, and millinery manufacturing	—	5	4	275	4 863	239	516	3 541	12 517	24 844	37 261	D
316	Leather and allied product manufacturing	—	6	1	e	D	D	D	D	D	D	D	D
3161	Leather and hide tanning and finishing	—	2	1	e	D	D	D	D	D	D	D	D
31611	Leather and hide tanning and finishing	—	2	1	e	D	D	D	D	D	D	D	D
316110	Leather and hide tanning and finishing	—	2	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	4	34	11	f	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	5	30	9	f	D	D	D	D	D	D	D	D
32191	Millwork	5	20	7	f	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	5	13	4	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	79	43	4 563	192 914	3 441	7 177	124 946	438 076	531 134	968 105	21 739
3221	Pulp, paper, and paperboard mills	5	6	6	776	39 571	610	1 350	29 038	101 312	130 372	230 247	5 948
32212	Paper mills	7	3	3	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	7	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	73	37	3 787	153 343	2 831	5 827	95 908	336 764	400 762	737 858	15 791
32221	Paperboard container manufacturing	1	37	20	2 057	91 254	1 508	3 109	52 714	193 941	228 429	421 257	9 155
322211	Corrugated and solid fiber box manufacturing	1	20	11	1 232	56 705	843	1 745	29 020	125 627	166 684	292 265	4 548
322212	Folding paperboard box manufacturing	2	10	5	440	20 654	363	735	14 217	35 980	25 182	60 724	4 019
32222	Paper bag and coated and treated paper manufacturing ..	2	22	11	1 047	41 912	769	1 530	28 010	93 714	121 270	217 590	4 459
322222	Coated and laminated paper manufacturing	3	14	8	636	29 712	458	965	19 421	72 496	76 145	148 778	2 946
32223	Stationery product manufacturing	—	9	2	e	D	D	D	D	D	D	D	649
322232	Envelope manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	2	392	80	6 772	280 908	4 664	9 004	161 505	618 542	333 879	957 214	27 024
3231	Printing and related support activities	2	392	80	6 772	280 908	4 664	9 004	161 505	618 542	333 879	957 214	27 024
32311	Printing	1	351	72	6 242	258 428	4 298	8 280	147 972	573 223	324 055	902 036	25 289
323110	Commercial lithographic printing	2	164	39	3 056	147 049	2 007	3 952	79 014	295 006	201 259	496 199	16 154
323113	Commercial screen printing ..	1	47	13	1 051	28 994	766	1 393	15 894	39 851	23 801	67 986	1 512
323114	Quick printing	1	66	5	598	25 784	413	794	17 303	52 358	25 203	77 555	D
323116	Manifold business forms printing	—	6	4	476	16 476	385	775	12 157	80 758	21 592	102 366	756
323119	Other commercial printing ..	2	30	5	343	12 602	232	362	6 865	26 005	11 521	37 501	1 238
32312	Support activities for printing...	6	41	8	530	22 480	366	724	13 533	45 319	9 824	55 178	1 735
323122	Prepress services	6	28	6	394	18 166	256	482	10 781	34 425	7 348	41 856	891

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.													
	Newark-Union, NJ-PA Metropolitan Division—Con.													
324	Petroleum and coal products manufacturing	-	16	6	g	D	D	D	D	D	D	D	D	
3241	Petroleum and coal products manufacturing	-	16	6	g	D	D	D	D	D	D	D	D	
32411	Petroleum refineries	-	2	1	f	D	D	D	D	D	D	D	D	
324110	Petroleum refineries	-	2	1	f	D	D	D	D	D	D	D	D	
32419	Other petroleum and coal products manufacturing	-	5	4	e	D	D	D	D	D	D	D	1 207	
324191	Petroleum lubricating oil and grease manufacturing	-	4	3	e	D	D	D	D	D	D	D	D	
325	Chemical manufacturing	1	213	99		22 057	1 165 726	10 143	19 301	415 420	8 080 672	3 837 505	12 082 368	499 770
3251	Basic chemical manufacturing ...	-	38	18		2 027	140 864	860	1 901	44 076	553 637	637 651	1 198 087	42 688
32513	Synthetic dye and pigment manufacturing	1	7	3		269	14 019	153	294	6 197	39 388	34 408	74 705	D
325132	Synthetic organic dye and pigment manufacturing ...	1	7	3		269	14 019	153	294	6 197	39 388	34 408	74 705	D
32518	Other basic inorganic chemical manufacturing	1	11	5		372	21 234	187	445	9 267	49 475	81 115	139 128	5 147
325188	All other basic inorganic chemical manufacturing ...	1	11	5		372	21 234	187	445	9 267	49 475	81 115	139 128	5 147
32519	Other basic organic chemical manufacturing	-	16	9		1 223	95 587	390	899	20 790	433 534	471 451	901 530	28 874
325199	All other basic organic chemical manufacturing ...	-	15	9	g	D	D	D	D	D	D	D	D	28 874
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	1	11	7		330	12 434	251	551	7 796	34 117	61 428	95 593	2 235
32521	Resin and synthetic rubber manufacturing	1	11	7		330	12 434	251	551	7 796	34 117	61 428	95 593	2 235
325211	Plastics material and resin manufacturing	1	9	7	e	D	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	1	39	27		14 208	760 344	5 453	10 028	230 958	6 466 370	2 009 289	8 608 093	383 619
32541	Pharmaceutical and medicine manufacturing	1	39	27		14 208	760 344	5 453	10 028	230 958	6 466 370	2 009 289	8 608 093	383 619
325411	Medicinal and botanical manufacturing	-	8	5	h	D	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	1	29	20		10 251	600 944	3 941	8 110	157 227	5 335 638	1 462 980	6 901 313	D
325413	In-vitro diagnostic substance manufacturing	-	1	1	f	D	D	D	D	D	D	D	D	D
3255	Paint, coating, and adhesive manufacturing	1	35	10		726	36 122	430	912	19 195	210 170	183 695	387 801	18 177
32551	Paint and coating manufacturing	1	20	6		459	21 731	248	531	9 834	169 343	142 386	305 793	D
325510	Paint and coating manufacturing	1	20	6		459	21 731	248	531	9 834	169 343	142 386	305 793	D
32552	Adhesive manufacturing	1	15	4		267	14 391	182	381	9 361	40 827	41 309	82 008	D
325520	Adhesive manufacturing ...	1	15	4		267	14 391	182	381	9 361	40 827	41 309	82 008	D
3256	Soap, cleaning compound, and toilet preparation manufacturing .	4	47	24		3 616	166 948	2 387	4 665	86 334	707 186	826 996	1 568 523	42 850
32562	Toilet preparation manufacturing	4	32	19		3 384	156 820	2 256	4 431	82 086	670 724	802 003	1 506 498	41 864
325620	Toilet preparation manufacturing	4	32	19		3 384	156 820	2 256	4 431	82 086	670 724	802 003	1 506 498	41 864
3259	Other chemical product and preparation manufacturing	3	37	12		1 100	47 432	730	1 199	26 406	104 824	110 624	212 123	9 976
32599	All other chemical product and preparation manufacturing ...	2	28	9	f	D	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resins	1	12	6	e	D	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing .	3	15	3	f	D	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	162	82		7 070	237 356	5 365	10 602	141 647	544 024	501 358	1 042 401	29 488

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing ..	2	139	75	6 299	210 960	4 859	9 475	124 791	495 623	450 628	943 460	27 430
32611	Plastics packaging materials and un laminated film and sheet manufacturing	1	33	22	1 635	60 121	1 233	2 392	37 247	132 011	176 938	309 127	7 283
326111	Plastics bag manufacturing ..	3	10	8	e	D	D	D	D	D	D	D	D
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	1	19	12	1 072	44 293	782	1 567	27 203	96 469	137 574	234 963	5 852
32612	Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	—	12	9	467	17 813	308	601	9 148	38 121	33 410	72 359	6 228
326121	Unlaminated plastics profile shape manufacturing	—	10	7	e	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	3	80	38	3 877	115 483	3 109	6 022	68 678	270 797	188 017	456 064	12 290
326199	All other plastics product manufacturing	3	78	38	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	3	23	7	771	26 396	506	1 127	16 856	48 401	50 730	98 941	2 058
32629	Other rubber product manufacturing	4	17	6	520	18 824	405	896	11 764	35 209	27 810	63 219	D
326299	All other rubber product manufacturing	4	5	4	392	14 766	303	685	9 107	26 520	22 583	49 291	1 297
327	Nonmetallic mineral product manufacturing	3	75	30	1 784	71 703	1 375	2 755	47 686	221 237	165 813	385 818	13 454
3272	Glass and glass product manufacturing	5	23	7	e	D	D	D	D	D	D	D	4 614
32721	Glass and glass product manufacturing	5	23	7	e	D	D	D	D	D	D	D	4 614
327215	Glass product manufacturing made of purchased glass ..	5	18	7	e	D	D	D	D	D	D	D	4 184
3273	Cement and concrete product manufacturing	2	30	14	726	28 963	563	1 115	19 688	99 260	85 307	184 866	5 689
32732	Ready-mix concrete manufacturing	3	18	10	421	17 344	346	650	12 760	63 422	49 265	113 035	2 547
327320	Ready-mix concrete manufacturing	3	18	10	421	17 344	346	650	12 760	63 422	49 265	113 035	2 547
3279	Other nonmetallic mineral product manufacturing	6	14	6	484	21 222	363	777	14 002	81 429	53 621	133 708	2 857
32799	All other nonmetallic mineral product manufacturing	6	10	5	e	D	D	D	D	D	D	D	D
327993	Mineral wool manufacturing ..	9	2	2	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	—	'42	'25	'2 423	'101 278	'1 769	'3 743	'61 265	'216 247	'258 174	'499 219	'9 129
3312	Steel product manufacturing from purchased steel	—	4	4	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	—	3	3	262	10 416	199	411	6 888	23 641	40 232	63 921	D
3313	Alumina and aluminum production and processing	4	4	3	e	D	D	D	D	D	D	D	D
33131	Alumina and aluminum production and processing ...	4	4	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	—	15	10	772	32 160	507	1 010	18 346	74 321	115 957	211 298	3 005
33142	Copper rolling, drawing, extruding, and alloying	—	8	6	e	D	D	D	D	D	D	D	1 315
331421	Copper rolling, drawing, and extruding	—	5	4	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	—	6	3	286	13 142	171	340	7 370	18 053	80 884	116 700	1 690
3315	Foundries	1	'18	'7	'1 039	'46 557	'792	'1 837	'29 367	'92 656	'67 792	'164 345	'4 579
33151	Ferrous metal foundries	—	5	3	841	39 620	642	1 512	24 896	78 458	61 768	143 882	D
331512	Steel investment foundries ..	—	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.]

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
332	Fabricated metal product manufacturing	2	565	142	'12 439	'472 138	'8 543	'17 198	'275 441	'1 026 901	'724 661	'1 757 337	'56 403
3321	Forging and stamping.....	2	56	18	1 621	64 483	1 200	2 551	38 878	117 679	80 864	198 202	4 138
33211	Forging and stamping.....	2	56	18	1 621	64 483	1 200	2 551	38 878	117 679	80 864	198 202	4 138
332116	Metal stamping	2	49	16	1 441	55 921	1 066	2 239	33 680	101 668	58 080	158 184	3 940
3322	Cutlery and handtool manufacturing	—	16	6	621	19 908	517	822	13 794	58 464	37 051	95 721	1 349
33221	Cutlery and handtool manufacturing	—	16	6	621	19 908	517	822	13 794	58 464	37 051	95 721	1 349
332212	Hand and edge tool manufacturing	—	14	5	e	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	'106	'26	'2 539	'90 621	'1 749	'3 500	'51 937	'199 056	'172 553	'371 980	'10 930
33231	Plate work and fabricated structural product manufacturing	3	32	6	404	18 941	277	594	10 653	49 500	43 969	93 672	2 105
332312	Fabricated structural metal manufacturing	2	22	5	338	16 614	228	494	8 981	44 875	37 650	82 509	1 925
33232	Ornamental and architectural metal products manufacturing	2	'74	'20	'2 135	'71 680	'1 472	'2 906	'41 284	'149 556	'128 584	'278 308	'8 825
332321	Metal window and door manufacturing	3	9	5	e	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing	2	'46	'12	'1 625	'53 244	'1 113	'2 182	'30 288	'112 456	'97 676	'209 438	'7 195
3324	Boiler, tank, and shipping container manufacturing	4	14	8	f	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) manufacturing	2	9	5	423	17 774	314	646	11 163	32 504	28 806	61 888	4 261
332420	Metal tank (heavy gauge) manufacturing	2	9	5	423	17 774	314	646	11 163	32 504	28 806	61 888	4 261
3326	Spring and wire product manufacturing	4	28	11	567	19 042	433	889	12 219	40 018	26 532	66 153	4 636
33261	Spring and wire product manufacturing	4	28	11	567	19 042	433	889	12 219	40 018	26 532	66 153	4 636
332618	Other fabricated wire product manufacturing	3	25	10	e	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	232	37	2 604	113 553	1 956	3 850	75 501	233 264	96 404	331 579	16 812
33271	Machine shops	2	176	20	1 522	71 534	1 106	2 144	46 177	141 746	49 523	190 699	13 641
332710	Machine shops	2	176	20	1 522	71 534	1 106	2 144	46 177	141 746	49 523	190 699	13 641
33272	Turned product and screw, nut, and bolt manufacturing	5	56	17	1 082	42 019	850	1 706	29 324	91 518	46 881	140 880	3 171
332721	Precision turned product manufacturing	3	43	12	661	28 608	518	1 039	19 273	65 290	19 631	85 198	1 740
332722	Bolt, nut, screw, rivet, and washer manufacturing	7	13	5	421	13 411	332	667	10 051	26 228	27 250	55 682	1 431
3328	Coating, engraving, heat treating, and allied activities	1	58	11	945	30 977	602	1 265	17 192	57 525	36 919	94 807	1 422
33281	Coating, engraving, heat treating, and allied activities ..	1	58	11	945	30 977	602	1 265	17 192	57 525	36 919	94 807	1 422
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	1	17	5	e	D	D	D	D	D	D	D	768
332813	Electroplating, plating, polishing, anodizing, and coloring	2	37	4	387	16 116	241	462	7 408	27 625	15 220	42 987	554
3329	Other fabricated metal product manufacturing	—	'52	'25	'2 888	'106 623	'1 585	'3 249	'48 112	'257 059	'216 478	'476 109	'12 256
33291	Metal valve manufacturing	—	17	9	1 885	69 907	874	1 705	25 262	163 196	173 922	340 710	9 296
332911	Industrial valve manufacturing	—	8	7	1 765	64 574	800	1 560	22 666	151 670	167 941	322 916	8 859
33299	All other fabricated metal product manufacturing	1	'35	'16	'1 003	'36 716	'711	'1 544	'22 850	'93 863	'42 556	'135 399	'2 960
332996	Fabricated pipe and pipe fitting manufacturing	—	4	3	254	10 233	131	312	4 954	23 812	11 862	35 154	983
332999	All other miscellaneous fabricated metal product manufacturing	2	24	12	644	22 508	488	1 040	14 767	62 430	27 875	89 883	1 762

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
333	Machinery manufacturing	3	'279	'80	'5 636	'260 537	'3 292	'6 800	'116 331	'584 750	'480 514	'1 065 129	'24 028
3332	Industrial machinery manufacturing	2	'48	'16	'1 170	'63 363	'463	'967	'18 678	'139 780	'174 373	'315 551	'8 097
33329	Other industrial machinery manufacturing	2	'45	'16	'1 155	'62 604	'453	'946	'18 348	'138 308	'173 306	'313 012	D
333293	Printing machinery and equipment manufacturing ..	—	12	7	606	34 476	190	402	7 194	73 588	132 118	205 305	6 071
333298	All other industrial machinery manufacturing	6	17	8	415	21 537	185	391	8 270	49 808	33 107	84 984	D
3333	Commercial and service industry machinery manufacturing	1	23	6	411	15 175	254	491	6 285	80 438	16 063	92 656	2 890
33331	Commercial and service industry machinery manufacturing	1	23	6	411	15 175	254	491	6 285	80 438	16 063	92 656	2 890
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	7	22	10	810	26 266	615	1 165	15 507	73 507	66 714	140 326	3 087
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	7	22	10	810	26 266	615	1 165	15 507	73 507	66 714	140 326	3 087
333414	Heating equipment (except warm air furnaces) manufacturing	5	7	4	e	D	D	D	D	D	D	D	703
3335	Metalworking machinery manufacturing	2	101	17	1 073	49 238	787	1 658	31 857	76 444	33 511	110 936	4 177
33351	Metalworking machinery manufacturing	2	101	17	1 073	49 238	787	1 658	31 857	76 444	33 511	110 936	4 177
333511	Industrial mold manufacturing	1	45	8	565	27 933	436	931	19 803	38 244	14 674	53 807	D
333514	Special die and tool, die set, jig, and fixture manufacturing	4	40	4	253	10 676	199	397	7 537	20 367	7 535	27 857	D
3339	Other general purpose machinery manufacturing	3	76	28	2 013	100 057	1 066	2 313	40 273	200 771	179 130	381 338	5 103
33392	Material handling equipment manufacturing	4	17	10	705	32 848	376	835	13 394	60 468	77 995	138 609	D
333922	Conveyor and conveying equipment manufacturing ..	—	8	4	343	17 745	172	360	7 016	18 210	28 046	46 262	D
33399	All other general purpose machinery manufacturing	2	47	17	1 215	62 750	641	1 374	25 318	129 570	88 715	219 690	2 880
333993	Packaging machinery manufacturing	3	17	8	427	23 979	197	406	9 349	51 070	29 174	79 578	1 180
333999	All other miscellaneous general purpose machinery manufacturing	2	19	5	563	27 319	335	722	12 006	55 954	34 000	89 654	1 364
334	Computer and electronic product manufacturing	'3	'156	'61	'5 505	'254 642	'3 325	'6 614	'113 315	'686 268	'361 460	'1 064 765	'22 829
3342	Communications equipment manufacturing	2	21	11	1 299	51 360	626	1 126	16 196	152 207	96 165	254 730	D
33421	Telephone apparatus manufacturing	3	5	3	e	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	3	5	3	e	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	6	f	D	D	D	D	D	D	D	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	6	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing	—	6	2	e	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	6	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing	—	61	29	2 408	104 606	1 880	3 910	71 010	266 425	142 564	422 662	D
33441	Semiconductor and other electronic component manufacturing	—	61	29	2 408	104 606	1 880	3 910	71 010	266 425	142 564	422 662	D
334413	Semiconductor and related device manufacturing	—	10	4	501	30 390	424	953	22 962	122 773	42 718	163 848	D
334419	Other electronic component manufacturing	—	24	13	1 149	45 537	851	1 754	29 478	96 203	65 313	173 224	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	5	54	21	1 684	93 741	759	1 456	24 314	258 377	112 148	367 340	7 701
33451	Navigational, measuring, electromedical, and control instruments manufacturing	5	54	21	1 684	93 741	759	1 456	24 314	258 377	112 148	367 340	7 701
334510	Electromedical and electrotherapeutic apparatus manufacturing	7	8	6	415	22 559	268	435	6 828	106 795	16 550	123 092	2 470
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	8	6	3	318	22 001	103	238	4 683	47 920	26 617	71 826	995
334516	Analytical laboratory instrument manufacturing ..	2	6	2	378	22 022	132	288	4 016	46 505	36 799	83 270	D
335	Electrical equipment, appliance, and component manufacturing	3	84	38	2 657	107 142	1 763	3 425	55 430	284 437	196 708	481 056	7 585
3351	Electric lighting equipment manufacturing	—	21	8	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	—	19	8	f	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	—	5	3	311	12 287	183	353	5 114	54 410	49 347	102 777	631
3353	Electrical equipment manufacturing	7	29	12	f	D	D	D	D	D	D	D	2 178
33531	Electrical equipment manufacturing	7	29	12	f	D	D	D	D	D	D	D	2 178
335313	Switchgear and switchboard apparatus manufacturing	8	5	2	e	D	D	D	D	D	D	D	678
3359	Other electrical equipment and component manufacturing	3	33	18	1 208	49 486	805	1 616	24 869	114 786	75 845	191 331	4 507
33593	Wiring device manufacturing	1	10	6	566	21 736	403	732	11 855	49 683	35 165	85 017	2 664
335931	Current-carrying wiring device manufacturing	3	7	4	e	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	2	15	7	468	20 719	289	649	9 220	46 287	22 044	68 581	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	2	10	4	271	12 351	155	342	4 638	23 134	13 047	36 487	896
336	Transportation equipment manufacturing	—	34	10	h	D	D	D	D	D	D	D	4 338
3361	Motor vehicle manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
33611	Automobile and light duty motor vehicle manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
336112	Light truck and utility vehicle manufacturing	—	2	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	5	21	5	283	13 628	218	421	9 212	30 249	29 348	59 701	1 297
3364	Aerospace product and parts manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	3	2	e	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	2	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Newark-Union, NJ-PA Metropolitan Division—Con.												
337	Furniture and related product manufacturing	3	151	35	3 100	102 060	2 191	4 452	56 812	212 247	168 611	382 493	5 742
3371	Household and institutional furniture and kitchen cabinet manufacturing	4	93	14	g	D	D	D	D	D	D	D	2 175
33711	Wood kitchen cabinet and countertop manufacturing	6	55	5	557	18 040	427	884	11 900	30 760	20 334	53 169	1 153
337110	Wood kitchen cabinet and countertop manufacturing ..	6	55	5	557	18 040	427	884	11 900	30 760	20 334	53 169	1 153
33712	Household and institutional furniture manufacturing	3	38	9	e	D	D	D	D	D	D	D	1 022
337122	Nonupholstered wood household furniture manufacturing	4	26	6	311	8 679	257	521	6 014	17 306	14 039	30 620	501
3372	Office furniture (including fixtures) manufacturing	2	47	14	1 218	40 607	753	1 530	18 854	59 227	48 142	108 458	2 682
33721	Office furniture (including fixtures) manufacturing	2	47	14	1 218	40 607	753	1 530	18 854	59 227	48 142	108 458	2 682
337215	Showcase, partition, shelving, and locker manufacturing	2	19	6	740	24 296	381	792	8 405	25 007	28 074	53 893	1 558
3379	Other furniture related product manufacturing	2	11	7	f	D	D	D	D	D	D	D	885
33791	Mattress manufacturing	3	9	6	725	21 625	546	1 059	13 014	78 547	64 082	142 377	D
337910	Mattress manufacturing	3	9	6	725	21 625	546	1 059	13 014	78 547	64 082	142 377	D
339	Miscellaneous manufacturing	1	273	64	4 850	188 124	3 057	5 846	89 411	488 998	304 892	797 693	26 772
3391	Medical equipment and supplies manufacturing	1	96	21	1 899	87 300	1 085	1 958	37 059	261 460	110 742	376 652	15 597
33911	Medical equipment and supplies manufacturing	1	96	21	1 899	87 300	1 085	1 958	37 059	261 460	110 742	376 652	15 597
339111	Laboratory apparatus and furniture manufacturing	—	7	3	328	17 131	152	197	5 558	37 935	33 189	70 056	1 113
339112	Surgical and medical instrument manufacturing ..	—	18	4	535	31 923	203	432	7 850	110 566	30 107	142 368	9 240
339113	Surgical appliance and supplies manufacturing	—	10	6	483	18 945	365	650	11 236	82 278	37 192	120 406	4 238
339116	Dental laboratories	3	53	6	376	14 559	269	506	10 219	23 418	5 856	31 964	743
3399	Other miscellaneous manufacturing	1	177	43	2 951	100 824	1 972	3 888	52 352	227 538	194 150	421 041	11 175
33991	Jewelry and silverware manufacturing	2	38	8	552	18 762	353	623	9 498	35 647	56 243	89 691	D
339911	Jewelry (except costume) manufacturing	1	30	5	e	D	D	D	D	D	D	D	569
33992	Sporting and athletic goods manufacturing	—	11	5	326	11 435	178	314	4 046	38 742	35 617	75 963	811
339920	Sporting and athletic goods manufacturing	—	11	5	326	11 435	178	314	4 046	38 742	35 617	75 963	811
33994	Office supplies (except paper) manufacturing	1	18	4	e	D	D	D	D	D	D	D	2 520
33995	Sign manufacturing	3	48	5	459	13 218	372	768	8 227	29 221	15 996	45 454	2 487
339950	Sign manufacturing	3	48	5	459	13 218	372	768	8 227	29 221	15 996	45 454	2 487
33999	All other miscellaneous manufacturing	1	58	20	1 216	44 056	807	1 624	23 623	86 674	58 845	145 315	4 136
339991	Gasket, packing, and sealing device manufacturing	1	6	3	380	13 948	240	464	6 988	30 429	21 546	51 876	D
339999	All other miscellaneous manufacturing	1	43	12	664	23 592	442	882	12 758	44 994	27 880	72 873	1 525
	New York-Wayne-White Plains, NY-NJ Metropolitan Division												
31-33	Manufacturing	2	12 649	2 925	273 853	9 930 710	186 174	360 502	5 263 938	33 541 496	25 274 867	58 811 057	1 229 751
311	Food manufacturing	3	1 447	242	26 088	879 596	16 353	31 495	469 022	2 999 196	3 129 975	6 120 875	148 424
3112	Grain and oilseed milling	8	10	4	e	D	D	D	D	D	D	D	D

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	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
311	Food manufacturing—Con.												
3113	Sugar and confectionery product manufacturing	8	66	11	1 626	59 436	1 325	2 921	36 900	199 004	503 039	703 065	12 400
31131	Sugar manufacturing	9	4	2	e	D	D	D	D	D	D	D	D
311312	Cane sugar refining	9	4	2	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate	2	37	4	816	17 931	727	1 627	13 345	50 254	25 265	74 258	D
311330	Confectionery manufacturing from purchased chocolate ..	2	37	4	816	17 931	727	1 627	13 345	50 254	25 265	74 258	D
31134	Nonchocolate confectionery manufacturing	3	18	4	e	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery manufacturing	3	18	4	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing	4	39	11	862	27 981	719	1 459	20 341	119 038	77 142	196 438	3 347
31141	Frozen food manufacturing	3	19	6	563	18 108	484	961	13 739	72 087	50 194	122 278	2 080
311412	Frozen specialty food manufacturing	3	17	6	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying	4	20	5	299	9 873	235	498	6 602	46 951	26 948	74 160	1 267
3115	Dairy product manufacturing	2	50	10	1 393	68 668	880	2 052	40 667	231 613	461 354	693 053	12 783
31151	Dairy product (except frozen) manufacturing	1	30	8	1 259	64 521	761	1 806	37 379	210 409	446 795	657 155	11 838
311511	Fluid milk manufacturing	1	7	5	977	56 329	515	1 306	30 741	188 163	382 328	570 530	9 572
311513	Cheese manufacturing	4	18	3	262	7 446	229	464	6 057	20 648	59 687	80 269	2 149
3116	Animal slaughtering and processing	2	90	31	2 514	90 258	1 878	4 079	52 054	253 646	465 257	718 700	9 592
31161	Animal slaughtering and processing	2	90	31	2 514	90 258	1 878	4 079	52 054	253 646	465 257	718 700	9 592
311611	Animal (except poultry) slaughtering	4	21	4	396	11 044	335	689	7 375	17 451	104 350	122 211	D
311612	Meat processed from carcasses	2	54	21	1 651	63 812	1 184	2 601	34 818	181 989	273 457	454 747	4 771
311615	Poultry processing	1	15	6	467	15 402	359	789	9 861	54 206	87 450	141 742	D
3117	Seafood product preparation and packaging	1	12	3	518	14 836	360	543	7 005	24 085	35 772	59 837	D
31171	Seafood product preparation and packaging	1	12	3	518	14 836	360	543	7 005	24 085	35 772	59 837	D
311711	Seafood canning	—	4	1	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	3	989	110	12 986	388 835	6 999	12 389	194 767	1 248 677	486 827	1 731 665	46 372
31181	Bread and bakery product manufacturing	4	928	94	10 739	288 258	5 321	8 976	132 803	761 170	288 337	1 048 761	29 943
311811	Retail bakeries	4	658	39	3 993	67 647	2 036	2 876	33 497	135 411	75 821	211 100	4 753
311812	Commercial bakeries	4	254	51	6 532	214 762	3 116	5 804	95 368	612 295	202 875	814 571	24 504
31182	Cookie, cracker, and pasta manufacturing	2	59	15	g	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing	1	26	9	1 506	63 340	1 172	2 357	42 142	385 579	99 021	481 138	D
311822	Flour mixes and dough manufacturing from purchased flour	8	10	4	e	D	D	D	D	D	D	D	D
311823	Dry pasta manufacturing	3	23	2	e	D	D	D	D	D	D	D	D
3119	Other food manufacturing	3	184	59	5 660	208 917	3 796	7 190	104 374	727 240	785 920	1 506 452	52 520
31191	Snack food manufacturing	—	15	5	e	D	D	D	D	D	D	D	D
31192	Coffee and tea manufacturing .	3	17	10	f	D	D	D	D	D	D	D	D
311920	Coffee and tea manufacturing	3	17	10	f	D	D	D	D	D	D	D	D
31193	Flavoring syrup and concentrate manufacturing ...	6	12	6	262	10 301	147	288	4 312	65 870	24 815	90 523	D
311930	Flavoring syrup and concentrate manufacturing .	6	12	6	262	10 301	147	288	4 312	65 870	24 815	90 523	D
31194	Seasoning and dressing manufacturing	3	29	16	1 462	64 249	965	1 959	32 130	256 083	310 723	562 360	12 116
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	4	12	7	597	24 607	409	933	14 238	148 175	152 074	300 128	8 179
311942	Spice and extract manufacturing	2	17	9	865	39 642	556	1 026	17 892	107 908	158 649	262 232	3 937
31199	All other food manufacturing ...	2	111	22	2 857	91 013	1 955	3 508	46 216	217 238	251 457	468 231	8 545
311991	Perishable prepared food manufacturing	2	34	10	1 379	39 881	953	2 040	22 255	99 411	105 177	204 407	D
311999	All other miscellaneous food manufacturing	3	77	12	1 478	51 132	1 002	1 468	23 961	117 827	146 280	263 824	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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
312	Beverage and tobacco product manufacturing	4	39	13	2 134	75 272	1 136	2 152	35 306	336 146	552 046	889 683	41 195
3121	Beverage manufacturing	4	37	12	g	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	4	28	9	1 764	62 778	889	1 826	30 588	202 206	499 672	701 136	32 227
312111	Soft drink manufacturing	4	18	8	1 697	61 028	848	1 750	29 609	197 010	497 798	693 945	D
313	Textile mills	3	486	128	10 455	325 721	8 172	16 239	205 002	917 548	1 218 750	2 138 694	30 646
3131	Fiber, yarn, and thread mills	—	27	8	f	D	D	D	D	D	D	D	4 800
31311	Fiber, yarn, and thread mills ...	—	27	8	f	D	D	D	D	D	D	D	4 800
313112	Yarn texturizing, throwing, and twisting mills	—	6	4	f	D	D	D	D	D	D	D	D
3132	Fabric mills	3	207	39	h	D	D	D	D	D	D	D	8 931
31321	Broadwoven fabric mills	4	54	9	700	20 672	566	1 078	13 466	79 162	95 728	173 473	D
313210	Broadwoven fabric mills	4	54	9	700	20 672	566	1 078	13 466	79 162	95 728	173 473	D
31322	Narrow fabric mills and schiffli machine embroidery	2	61	4	f	D	D	D	D	D	D	D	D
313222	Schiffli machine embroidery .	1	46	4	e	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills	5	15	5	353	12 593	264	530	7 393	38 734	41 115	79 106	D
313230	Nonwoven fabric mills	5	15	5	353	12 593	264	530	7 393	38 734	41 115	79 106	D
31324	Knit fabric mills	3	77	21	1 469	39 900	1 207	2 380	26 527	107 018	104 927	217 446	4 691
313241	Weft knit fabric mills	1	36	7	669	17 692	560	1 061	12 586	45 630	58 072	108 479	D
313249	Other knit fabric and lace mills	5	41	14	800	22 208	647	1 319	13 941	61 388	46 855	108 967	D
3133	Textile and fabric finishing and fabric coating mills	4	252	81	6 571	212 454	5 112	10 187	133 787	598 042	803 952	1 408 197	16 915
31331	Textile and fabric finishing mills	4	236	72	5 901	182 948	4 617	9 171	116 457	524 387	706 066	1 236 802	D
313311	Broadwoven fabric finishing mills	4	170	52	4 312	135 135	3 312	6 606	83 634	402 245	580 557	989 999	D
313312	Textile and fabric finishing (except broadwoven fabric) mills	6	66	20	1 589	47 813	1 305	2 565	32 823	122 142	125 509	246 803	D
31332	Fabric coating mills	—	16	9	670	29 506	495	1 016	17 330	73 655	97 886	171 395	D
313320	Fabric coating mills	—	16	9	670	29 506	495	1 016	17 330	73 655	97 886	171 395	D
314	Textile product mills	3	325	69	6 132	178 208	4 231	8 307	89 191	508 201	568 911	1 078 328	12 480
3141	Textile furnishings mills	2	148	38	3 447	105 141	2 312	4 683	47 740	355 587	417 788	773 939	D
31412	Curtain and linen mills	2	140	35	3 203	95 027	2 160	4 337	42 317	338 951	397 817	737 407	D
314121	Curtain and drapery mills	3	81	17	1 992	54 395	1 266	2 531	23 346	116 820	107 509	223 483	6 068
314129	Other household textile product mills	1	59	18	1 211	40 632	894	1 806	18 971	222 131	290 308	513 924	D
3149	Other textile product mills	4	177	31	2 685	73 067	1 919	3 624	41 451	152 614	151 123	304 389	D
31491	Textile bag and canvas mills ...	1	52	8	641	17 860	521	1 053	12 181	40 437	38 805	79 396	D
314912	Canvas and related product mills	1	38	5	473	12 751	393	803	9 978	34 679	22 843	57 457	D
31499	All other textile product mills ...	5	125	23	2 044	55 207	1 398	2 571	29 270	112 177	112 318	224 993	D
314999	All other miscellaneous textile product mills	5	124	23	g	D	D	D	D	D	D	D	D
315	Apparel manufacturing	4	'2 517	'510	'43 913	'1 021 822	'32 586	'57 215	'560 122	'2 689 961	'3 213 737	'5 908 405	'47 594
3151	Apparel knitting mills	4	155	42	2 585	61 288	2 080	3 908	41 537	126 502	231 683	361 189	3 590
31519	Other apparel knitting mills	4	143	41	2 509	59 589	2 011	3 777	40 105	122 742	228 758	354 512	D
315191	Outerwear knitting mills	4	139	41	2 484	59 024	1 988	3 723	39 617	121 035	226 842	350 889	3 477
3152	Cut and sew apparel manufacturing	4	'2 133	'419	'36 929	'857 929	'27 099	'46 928	'456 981	'2 325 358	'2 782 443	'5 112 699	'41 436
31521	Cut and sew apparel contractors	6	1 405	219	16 660	253 858	14 962	24 957	201 375	457 300	129 853	592 155	D
315211	Men's and boys' cut and sew apparel contractors	6	115	20	1 403	20 658	1 209	1 918	16 261	45 455	3 637	48 973	D
315212	Women's, girls', and infants' cut and sew apparel contractors	6	1 290	199	15 257	233 200	13 753	23 039	185 114	411 845	126 216	543 182	D
31522	Men's and boys' cut and sew apparel manufacturing	3	92	29	1 829	46 441	1 323	2 506	27 023	123 633	115 466	250 371	D
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	4	47	14	946	26 597	744	1 447	17 350	61 117	36 217	99 333	D
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	1	6	6	290	7 226	150	239	2 305	30 619	35 843	74 427	D
315228	Men's and boys' cut and sew other outerwear manufacturing	3	20	6	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
315	Apparel manufacturing—Con.												
3152	Cut and sew apparel manufacturing—Con.												
31523	Women's and girls' cut and sew apparel manufacturing	4	'499	'156	'16 398	'505 593	'9 637	'17 240	'206 317	'1 606 773	'2 405 155	'3 997 572	D
315231	Women's and girls' cut and sew lingerie, loungewear, and nightwear manufacturing	2	30	10	h	D	D	D	D	D	D	D	D
315232	Women's and girls' cut and sew blouse and shirt manufacturing	6	66	20	1 877	66 957	971	1 697	24 515	312 563	433 117	734 067	D
315233	Women's and girls' cut and sew dress manufacturing	'4	'185	'65	'5 913	'195 215	'3 110	'5 666	'73 889	'567 272	'991 785	'1 556 135	D
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	3	61	23	g	D	D	D	D	D	D	D	D
315239	Women's and girls' cut and sew other outerwear manufacturing	4	157	38	4 022	98 348	3 235	5 743	56 920	298 197	444 715	740 581	D
31529	Other cut and sew apparel manufacturing	3	137	15	2 042	52 037	1 177	2 225	22 266	137 652	131 969	272 601	D
315292	Fur and leather apparel manufacturing	5	76	5	f	D	D	D	D	D	D	D	D
315299	All other cut and sew apparel manufacturing	1	56	7	1 310	36 546	610	1 207	12 074	96 134	77 674	175 338	D
3159	Apparel accessories and other apparel manufacturing	4	229	49	4 399	102 605	3 407	6 379	61 604	238 101	199 611	434 517	2 568
31599	Apparel accessories and other apparel manufacturing	4	229	49	4 399	102 605	3 407	6 379	61 604	238 101	199 611	434 517	2 568
315991	Hat, cap, and millinery manufacturing	6	53	13	f	D	D	D	D	D	D	D	D
315993	Men's and boys' neckwear manufacturing	1	34	13	1 127	29 354	851	1 613	16 090	100 390	78 876	179 332	D
315999	Other apparel accessories and other apparel manufacturing	5	139	23	2 491	56 728	1 912	3 582	34 950	99 244	103 300	200 955	D
316	Leather and allied product manufacturing	2	125	26	g	D	D	D	D	D	D	D	D
3162	Footwear manufacturing	1	18	9	f	D	D	D	D	D	D	D	D
31621	Footwear manufacturing	1	18	9	f	D	D	D	D	D	D	D	D
316212	House slipper manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	3	86	14	f	D	D	D	D	D	D	D	336
31699	Other leather and allied product manufacturing	3	86	14	f	D	D	D	D	D	D	D	336
316991	Luggage manufacturing	1	21	5	e	D	D	D	D	D	D	D	D
316993	Personal leather goods (except women's handbag and purse) manufacturing ..	5	18	5	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	3	136	21	g	D	D	D	D	D	D	D	D
3219	Other wood product manufacturing	4	123	20	g	D	D	D	D	D	D	D	D
32191	Millwork	5	79	15	f	D	D	D	D	D	D	D	D
321911	Wood window and door manufacturing	3	25	5	e	D	D	D	D	D	D	D	D
321918	Other millwork (including flooring)	6	47	9	e	D	D	D	D	D	D	D	D
32199	All other wood product manufacturing	2	32	1	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	169	88	9 565	394 884	7 287	15 058	250 946	869 579	900 325	1 772 355	51 512
3221	Pulp, paper, and paperboard mills	—	6	4	1 094	63 755	912	2 174	50 666	207 701	263 402	474 503	21 004
32212	Paper mills	—	2	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	—	2	1	f	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	4	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	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	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
322	Paper manufacturing—Con.												
3222	Converted paper product manufacturing	2	163	84	8 471	331 129	6 375	12 884	200 280	661 878	636 923	1 297 852	30 508
32221	Paperboard container manufacturing	2	66	37	3 771	159 347	2 783	5 594	93 506	341 515	312 773	653 710	10 434
322211	Corrugated and solid fiber box manufacturing	2	33	16	1 656	72 558	1 207	2 500	40 471	162 965	165 786	330 161	4 813
322212	Folding paperboard box manufacturing	1	20	11	1 209	60 549	902	1 989	36 494	131 443	101 188	230 193	4 374
322213	Setup paperboard box manufacturing	3	7	5	721	19 545	526	818	11 710	30 687	27 372	58 234	D
32222	Paper bag and coated and treated paper manufacturing ..	2	40	16	1 475	65 642	1 017	2 214	36 601	133 685	117 176	253 375	10 745
322222	Coated and laminated paper manufacturing	1	25	11	940	44 736	581	1 221	21 781	93 929	72 441	168 879	9 339
322224	Uncoated paper and multiwall bag manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
32223	Stationery product manufacturing	1	37	22	2 281	81 127	1 803	3 706	53 708	142 583	151 022	290 148	5 801
322231	Die-cut paper and paperboard office supplies manufacturing	5	17	9	857	24 346	697	1 404	17 228	40 779	41 567	79 538	D
322232	Envelope manufacturing	—	14	11	1 233	50 893	945	2 006	32 434	93 042	101 129	193 516	D
32229	Other converted paper product manufacturing	3	20	9	944	25 013	772	1 370	16 465	44 095	55 952	100 619	3 528
322299	All other converted paper product manufacturing	4	19	8	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	3	1 647	'307	'26 115	1 112 455	'18 481	35 971	676 768	'2 488 393	'1 391 656	3 882 665	108 154
3231	Printing and related support activities	3	1 647	'307	'26 115	1 112 455	'18 481	35 971	676 768	'2 488 393	'1 391 656	3 882 665	108 154
32311	Printing	4	'1 391	'247	'21 434	'913 312	'15 162	'29 400	'560 424	'2 089 334	'1 275 336	'3 367 674	93 370
323110	Commercial lithographic printing	4	676	126	12 278	590 252	8 731	17 155	370 346	1 363 723	830 518	2 194 974	62 206
323111	Commercial gravure printing ..	—	22	6	375	19 652	205	449	8 134	43 231	64 124	108 335	775
323112	Commercial flexographic printing	4	27	8	371	14 025	254	499	7 777	27 269	20 362	48 180	2 229
323113	Commercial screen printing ..	2	136	20	2 050	53 754	1 627	2 985	34 516	141 506	93 060	235 226	4 427
323114	Quick printing	3	'261	'21	'1 673	'56 415	'1 099	'2 072	'33 506	'125 954	'72 648	'198 876	4 979
323115	Digital printing	2	63	23	1 353	56 797	933	1 705	35 441	131 643	42 406	173 057	6 452
323116	Manifold business forms printing	6	20	9	432	17 321	273	501	9 244	46 215	27 574	73 817	1 314
323117	Books printing	4	32	7	682	27 676	533	1 109	18 241	51 565	41 045	94 248	1 094
323118	Blankbook, looseleaf binders, and devices manufacturing ..	—	14	8	876	28 634	617	1 251	15 469	57 227	21 787	78 195	2 647
323119	Other commercial printing ..	5	140	19	1 344	48 786	890	1 674	27 750	101 001	61 812	162 766	7 247
32312	Support activities for printing ..	2	'256	60	'4 681	'199 143	'3 319	'6 571	'116 344	'399 059	'116 320	'514 991	14 784
323121	Tradebinding and related work	3	80	29	2 014	56 612	1 718	3 535	40 521	95 587	25 674	120 607	2 457
323122	Prepress services	2	'176	31	'2 667	'142 531	'1 601	'3 036	'75 823	'303 472	'90 646	'394 384	12 327
324	Petroleum and coal products manufacturing	1	29	6	f	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing	1	29	6	f	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, and saturated materials manufacturing	1	20	6	f	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture and block manufacturing	1	16	4	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle and coating materials manufacturing ..	—	4	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	1	388	159	20 608	976 431	12 066	25 200	442 230	9 800 373	4 160 134	13 706 412	245 923
3251	Basic chemical manufacturing ...	4	47	24	2 460	125 753	1 466	2 951	62 701	510 742	447 476	964 824	26 060
32513	Synthetic dye and pigment manufacturing	2	14	8	819	38 048	556	1 109	22 738	197 040	102 585	298 768	D
325131	Inorganic dye and pigment manufacturing	—	4	1	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye and pigment manufacturing	4	10	7	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical manufacturing	5	26	14	1 437	75 891	839	1 716	35 848	273 015	305 489	585 493	D
325199	All other basic organic chemical manufacturing	5	20	11	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
325	Chemical manufacturing—Con.												
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing	2	12	6	e	D	D	D	D	D	D	D	D
32532	Pesticide and other agricultural chemical manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
325320	Pesticide and other agricultural chemical manufacturing	1	8	4	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	—	58	25	7 417	409 480	4 176	9 845	182 059	7 622 596	2 576 164	9 942 503	140 466
32541	Pharmaceutical and medicine manufacturing	—	58	25	7 417	409 480	4 176	9 845	182 059	7 622 596	2 576 164	9 942 503	140 466
325411	Medicinal and botanical manufacturing	2	12	5	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	45	19	6 863	378 617	3 877	9 208	167 044	7 491 255	2 522 615	9 764 949	D
3255	Paint, coating, and adhesive manufacturing	3	72	25	2 086	93 597	1 212	2 499	40 871	341 368	261 574	599 191	D
32551	Paint and coating manufacturing	4	48	14	1 194	50 752	684	1 421	22 630	183 743	128 355	311 219	D
325510	Paint and coating manufacturing	4	48	14	1 194	50 752	684	1 421	22 630	183 743	128 355	311 219	D
32552	Adhesive manufacturing	3	24	11	892	42 845	528	1 078	18 241	157 625	133 219	287 972	3 688
325520	Adhesive manufacturing	3	24	11	892	42 845	528	1 078	18 241	157 625	133 219	287 972	3 688
3256	Soap, cleaning compound, and toilet preparation manufacturing .	4	131	52	i	D	D	D	D	D	D	D	55 372
32561	Soap and cleaning compound manufacturing	5	64	22	1 887	88 327	1 032	2 184	42 031	374 934	277 626	652 924	21 363
325611	Soap and other detergent manufacturing	6	31	9	f	D	D	D	D	D	D	D	D
325612	Polish and other sanitation good manufacturing	4	23	6	e	D	D	D	D	D	D	D	929
325613	Surface active agent manufacturing	2	10	7	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	3	67	30	h	D	D	D	D	D	D	D	34 009
325620	Toilet preparation manufacturing	3	67	30	h	D	D	D	D	D	D	D	34 009
3259	Other chemical product and preparation manufacturing	1	62	23	1 730	83 856	822	1 758	35 036	289 466	263 841	549 587	13 564
32591	Printing ink manufacturing	2	22	9	839	43 886	349	788	18 582	105 939	101 526	205 936	4 173
325910	Printing ink manufacturing	2	22	9	839	43 886	349	788	18 582	105 939	101 526	205 936	4 173
32599	All other chemical product and preparation manufacturing	1	40	14	891	39 970	473	970	16 454	183 527	162 315	343 651	9 391
325998	All other miscellaneous chemical product and preparation manufacturing .	1	21	10	f	D	D	D	D	D	D	D	8 219
326	Plastics and rubber products manufacturing	2	351	157	13 041	424 091	10 087	20 633	264 035	1 188 765	1 034 517	2 234 603	73 383
3261	Plastics product manufacturing ..	2	311	146	12 012	390 845	9 230	18 978	240 173	1 097 052	952 051	2 063 325	68 202
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	1	98	53	3 697	128 989	2 724	5 561	80 156	376 395	392 672	769 091	21 712
326111	Plastics bag manufacturing ..	1	44	21	1 726	58 171	1 364	2 737	37 710	173 763	169 891	345 042	15 830
326112	Plastics packaging film and sheet (including laminated) manufacturing	1	16	12	f	D	D	D	D	D	D	D	1 626
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	1	38	20	g	D	D	D	D	D	D	D	4 256
32612	Plastics pipe, pipe fitting, and unlaminated profile shape manufacturing	2	16	7	e	D	D	D	D	D	D	D	842
326121	Unlaminated plastics profile shape manufacturing	3	13	5	265	9 403	191	426	5 992	18 390	11 999	30 302	D
32614	Polystyrene foam product manufacturing	2	10	3	e	D	D	D	D	D	D	D	537
326140	Polystyrene foam product manufacturing	2	10	3	e	D	D	D	D	D	D	D	537
32616	Plastics bottle manufacturing ..	7	3	3	e	D	D	D	D	D	D	D	D
326160	Plastics bottle manufacturing	7	3	3	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
326	Plastics and rubber products manufacturing—Con.												
3261	Plastics product manufacturing—Con.												
32619	Other plastics product manufacturing	2	174	77	7 127	223 769	5 580	11 536	135 858	625 272	456 699	1 092 712	41 684
326199	All other plastics product manufacturing	2	166	74	7 012	219 890	5 502	11 376	133 832	608 529	448 934	1 068 319	41 384
3262	Rubber product manufacturing ...	2	40	11	1 029	33 246	857	1 655	23 862	91 713	82 466	171 278	5 181
32622	Rubber and plastics hoses and belting manufacturing	1	4	3	e	D	D	D	D	D	D	D	D
326220	Rubber and plastics hoses and belting manufacturing ..	1	4	3	e	D	D	D	D	D	D	D	D
32629	Other rubber product manufacturing	1	23	8	f	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	—	18	7	454	16 161	345	734	9 956	37 115	24 805	61 816	1 577
327	Nonmetallic mineral product manufacturing	2	237	68	3 991	160 688	3 027	5 956	111 194	367 925	361 302	724 285	49 442
3272	Glass and glass product manufacturing	4	61	16	980	31 283	706	1 196	18 830	63 107	39 141	102 006	D
32721	Glass and glass product manufacturing	4	61	16	980	31 283	706	1 196	18 830	63 107	39 141	102 006	D
327215	Glass product manufacturing made of purchased glass ..	3	50	14	f	D	D	D	D	D	D	D	D
3273	Cement and concrete product manufacturing	2	79	34	1 647	73 421	1 288	2 610	55 164	208 567	205 949	409 874	19 740
32732	Ready-mix concrete manufacturing	1	50	26	1 136	54 758	893	1 745	43 133	147 643	171 704	319 186	10 114
327320	Ready-mix concrete manufacturing	1	50	26	1 136	54 758	893	1 745	43 133	147 643	171 704	319 186	10 114
32739	Other concrete product manufacturing	5	20	4	e	D	D	D	D	D	D	D	D
327390	Other concrete product manufacturing	5	20	4	e	D	D	D	D	D	D	D	D
3274	Lime and gypsum product manufacturing	—	6	3	312	16 817	241	545	11 847	16 584	66 158	82 531	D
32742	Gypsum product manufacturing	—	6	3	312	16 817	241	545	11 847	16 584	66 158	82 531	D
327420	Gypsum product manufacturing	—	6	3	312	16 817	241	545	11 847	16 584	66 158	82 531	D
3279	Other nonmetallic mineral product manufacturing	3	71	15	985	37 393	737	1 507	24 203	75 497	47 921	123 644	D
32791	Abrasive product manufacturing	1	10	5	351	13 760	250	506	7 535	24 667	15 746	40 955	D
327910	Abrasive product manufacturing	1	10	5	351	13 760	250	506	7 535	24 667	15 746	40 955	D
32799	All other nonmetallic mineral product manufacturing	4	61	10	634	23 633	487	1 001	16 668	50 830	32 175	82 689	D
327991	Cut stone and stone product manufacturing	5	47	9	497	18 980	386	783	13 796	38 185	18 462	56 409	D
331	Primary metal manufacturing	1	101	40	2 847	112 928	1 975	4 051	67 031	263 888	252 349	518 079	12 455
3312	Steel product manufacturing from purchased steel	1	13	4	e	D	D	D	D	D	D	D	D
33122	Rolling and drawing of purchased steel	2	11	3	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing	1	10	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production and processing	2	48	16	1 140	53 305	680	1 323	28 651	128 271	141 419	268 861	6 338
33141	Nonferrous metal (except aluminum) smelting and refining	—	15	3	467	22 577	212	399	10 942	44 164	50 090	95 761	1 181
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	—	15	3	467	22 577	212	399	10 942	44 164	50 090	95 761	1 181

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)
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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
331	Primary metal manufacturing—Con.												
3314	Nonferrous metal (except aluminum) production and processing—Con.												
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	27	9	478	22 512	315	624	12 276	69 453	61 981	129 860	D
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	—	17	5	280	13 057	211	428	8 712	34 084	42 387	76 133	882
3315	Foundries	1	36	19	1 263	43 623	1 009	2 105	29 005	99 877	70 697	174 226	D
33152	Nonferrous metal foundries	1	32	17	g	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	1	9	6	531	18 587	432	877	12 790	56 583	34 183	93 382	D
332	Fabricated metal product manufacturing	3	1 065	250	20 075	716 944	14 461	29 082	425 669	1 620 208	1 089 803	2 700 027	69 572
3321	Forging and stamping	5	67	23	1 727	69 429	1 331	2 695	44 433	154 890	147 993	303 156	13 077
33211	Forging and stamping	5	67	23	1 727	69 429	1 331	2 695	44 433	154 890	147 993	303 156	13 077
332116	Metal stamping	3	52	15	1 125	42 866	867	1 732	27 810	82 696	65 870	146 724	3 330
3322	Cutlery and handtool manufacturing	1	42	17	1 631	45 271	1 360	2 680	33 649	144 837	65 187	208 932	5 867
33221	Cutlery and handtool manufacturing	1	42	17	1 631	45 271	1 360	2 680	33 649	144 837	65 187	208 932	5 867
332212	Hand and edge tool manufacturing	1	33	11	1 228	34 384	1 010	1 994	25 334	118 459	48 495	166 085	3 829
3323	Architectural and structural metals manufacturing	3	366	92	7 253	254 011	4 995	10 222	152 418	563 911	391 036	953 097	20 031
33231	Plate work and fabricated structural product manufacturing	4	72	13	741	30 916	474	1 004	16 667	98 067	62 984	161 211	2 865
332312	Fabricated structural metal manufacturing	4	60	10	576	24 969	354	748	12 908	83 783	50 948	134 694	2 488
33232	Ornamental and architectural metal products manufacturing	3	294	79	6 512	223 095	4 521	9 218	135 751	465 844	328 052	791 886	17 166
332321	Metal window and door manufacturing	2	72	27	2 569	82 414	1 698	3 547	48 238	170 416	132 189	302 147	4 442
332322	Sheet metal work manufacturing	3	101	32	2 319	78 613	1 772	3 510	52 519	175 645	107 554	282 127	9 848
332323	Ornamental and architectural metal work manufacturing ..	4	121	20	1 624	62 068	1 051	2 161	34 994	119 783	88 309	207 612	2 876
3324	Boiler, tank, and shipping container manufacturing	5	21	8	559	25 012	385	802	13 369	59 763	39 317	98 864	3 191
33241	Power boiler and heat exchanger manufacturing	5	9	6	438	19 908	303	638	10 902	48 501	32 994	81 413	1 161
332410	Power boiler and heat exchanger manufacturing ..	5	9	6	438	19 908	303	638	10 902	48 501	32 994	81 413	1 161
3325	Hardware manufacturing	3	17	8	545	18 440	419	874	11 099	46 438	29 445	75 138	708
33251	Hardware manufacturing	3	17	8	545	18 440	419	874	11 099	46 438	29 445	75 138	708
332510	Hardware manufacturing	3	17	8	545	18 440	419	874	11 099	46 438	29 445	75 138	708
3326	Spring and wire product manufacturing	3	50	10	1 067	33 158	677	1 357	16 712	61 892	39 323	106 334	3 380
33261	Spring and wire product manufacturing	3	50	10	1 067	33 158	677	1 357	16 712	61 892	39 323	106 334	3 380
332618	Other fabricated wire product manufacturing	3	44	9	889	27 729	606	1 227	14 956	56 222	36 122	92 284	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	271	32	2 669	116 998	1 914	3 816	66 297	216 737	133 774	351 275	11 625
33271	Machine shops	4	232	20	1 785	80 168	1 232	2 326	42 362	133 376	106 723	240 510	6 082
332710	Machine shops	4	232	20	1 785	80 168	1 232	2 326	42 362	133 376	106 723	240 510	6 082
33272	Turned product and screw, nut, and bolt manufacturing	2	39	12	884	36 830	682	1 490	23 935	83 361	27 051	110 765	5 543
332721	Precision turned product manufacturing	2	27	10	736	31 188	575	1 272	20 814	63 848	16 798	80 901	5 193

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	2	108	27	1 527	50 570	1 179	2 211	32 507	100 143	31 618	130 002	4 350
33281	Coating, engraving, heat treating, and allied activities ..	2	108	27	1 527	50 570	1 179	2 211	32 507	100 143	31 618	130 002	4 350
332811	Metal heat treating	2	10	5	295	13 667	187	399	7 830	30 683	7 214	37 627	755
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	2	31	10	418	12 635	351	597	8 769	25 833	9 869	34 011	2 726
332813	Electroplating, plating, polishing, anodizing, and coloring	3	67	12	814	24 268	641	1 215	15 908	43 627	14 535	58 364	869
3329	Other fabricated metal product manufacturing	2	123	33	3 097	104 055	2 201	4 425	55 185	271 597	212 110	473 229	7 343
33291	Metal valve manufacturing	1	21	7	1 162	33 540	766	1 511	12 990	100 199	96 018	184 169	1 755
332913	Plumbing fixture fitting and trim manufacturing	1	8	3	823	20 839	590	1 123	7 766	76 493	73 778	138 305	D
33299	All other fabricated metal product manufacturing	3	102	26	1 935	70 515	1 435	2 914	42 195	171 398	116 092	289 060	5 588
332999	All other miscellaneous fabricated metal product manufacturing	2	71	18	1 318	47 547	952	1 974	26 406	112 197	77 881	192 234	3 775
333	Machinery manufacturing	3	'454	'116	'9 429	'412 330	'5 851	'11 553	'200 374	'903 480	'701 484	'1 611 026	'34 559
3332	Industrial machinery manufacturing	3	120	28	2 123	101 178	1 224	2 512	47 468	214 713	200 874	421 123	9 398
33329	Other industrial machinery manufacturing	2	109	26	1 948	92 094	1 125	2 304	44 020	198 223	188 112	388 861	9 047
333293	Printing machinery and equipment manufacturing ..	2	22	7	358	19 364	158	306	7 468	45 569	39 319	83 018	1 003
333295	Semiconductor machinery manufacturing	1	6	5	392	17 576	209	517	6 300	52 701	64 376	115 060	4 385
333298	All other industrial machinery manufacturing	3	41	13	945	45 879	583	1 171	25 274	80 461	72 591	159 399	D
3333	Commercial and service industry machinery manufacturing	5	58	20	1 369	54 338	852	1 651	24 811	121 844	108 994	227 626	5 263
33331	Commercial and service industry machinery manufacturing	5	58	20	1 369	54 338	852	1 651	24 811	121 844	108 994	227 626	5 263
333319	Other commercial and service industry machinery manufacturing	5	33	13	893	32 529	613	1 187	16 690	81 087	87 128	165 178	3 968
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	7	23	7	562	19 836	415	768	11 767	41 962	40 560	82 219	1 549
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	7	23	7	562	19 836	415	768	11 767	41 962	40 560	82 219	1 549
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	8	13	6	438	14 883	343	614	9 326	32 676	32 143	64 904	909
3335	Metalworking machinery manufacturing	2	104	16	1 360	59 960	966	1 939	37 677	167 152	68 205	233 352	7 126
33351	Metalworking machinery manufacturing	2	104	16	1 360	59 960	966	1 939	37 677	167 152	68 205	233 352	7 126
333511	Industrial mold manufacturing	1	28	4	400	15 809	298	557	9 757	38 627	30 363	68 059	1 938
333514	Special die and tool, die set, jig, and fixture manufacturing	1	44	4	417	18 096	283	588	11 194	33 088	10 633	43 694	2 316
333515	Cutting tool and machine tool accessory manufacturing	2	22	4	346	15 438	255	518	10 692	71 699	18 685	89 692	1 558

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing	1	126	41	3 739	165 807	2 230	4 383	73 141	334 553	263 526	604 252	10 415
33391	Pump and compressor manufacturing	1	13	4	455	23 111	223	461	7 530	54 256	34 599	88 476	1 228
333912	Air and gas compressor manufacturing	1	6	2	330	16 531	155	315	4 383	38 866	25 835	64 899	950
33392	Material handling equipment manufacturing	2	41	15	1 367	60 846	904	1 903	31 151	111 156	100 276	212 324	3 113
333921	Elevator and moving stairway manufacturing	2	18	8	730	32 167	549	1 161	18 087	69 547	43 820	113 233	2 084
333922	Conveyor and conveying equipment manufacturing ..	2	15	6	570	25 930	315	665	11 761	37 550	52 003	90 632	D
33399	All other general purpose machinery manufacturing	1	72	22	1 917	81 850	1 103	2 019	34 460	169 141	128 651	303 452	6 074
333993	Packaging machinery manufacturing	1	23	6	522	24 247	249	490	10 377	35 565	22 282	63 333	543
333994	Industrial process furnace and oven manufacturing ...	—	7	4	268	10 279	169	169	4 764	19 492	13 810	33 238	D
333999	All other miscellaneous general purpose machinery manufacturing	1	32	9	993	41 341	601	1 197	16 533	99 415	82 217	182 866	3 244
334	Computer and electronic product manufacturing	1	354	124	14 797	774 760	7 703	15 302	303 547	2 392 390	1 438 024	3 832 988	89 064
3341	Computer and peripheral equipment manufacturing	5	24	3	325	18 117	123	190	5 261	59 879	77 812	138 003	7 806
33411	Computer and peripheral equipment manufacturing	5	24	3	325	18 117	123	190	5 261	59 879	77 812	138 003	7 806
3342	Communications equipment manufacturing	4	38	15	1 386	79 500	477	904	17 041	155 869	152 317	309 483	D
33421	Telephone apparatus manufacturing	9	11	5	e	D	D	D	D	D	D	D	D
334210	Telephone apparatus manufacturing	9	11	5	e	D	D	D	D	D	D	D	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2	19	7	827	50 168	301	591	12 293	95 354	110 231	206 608	D
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2	19	7	827	50 168	301	591	12 293	95 354	110 231	206 608	D
3343	Audio and video equipment manufacturing	2	23	2	302	11 408	155	297	3 423	20 774	28 646	49 006	D
33431	Audio and video equipment manufacturing	2	23	2	302	11 408	155	297	3 423	20 774	28 646	49 006	D
334310	Audio and video equipment manufacturing	2	23	2	302	11 408	155	297	3 423	20 774	28 646	49 006	D
3344	Semiconductor and other electronic component manufacturing	—	81	40	4 491	188 873	2 976	6 915	98 633	1 128 836	558 147	1 675 317	10 635
33441	Semiconductor and other electronic component manufacturing	—	81	40	4 491	188 873	2 976	6 915	98 633	1 128 836	558 147	1 675 317	10 635
334411	Electron tube manufacturing ..	1	4	3	e	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	3	15	5	338	17 211	201	438	6 458	36 075	32 125	69 656	D
334416	Electronic coil, transformer, and other inductor manufacturing	—	7	2	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	—	11	10	g	D	D	D	D	D	D	D	1 381
334419	Other electronic component manufacturing	—	27	14	1 966	84 875	1 047	2 169	31 878	133 123	90 534	228 350	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	122	43	6 770	414 971	2 946	5 012	144 959	861 215	525 319	1 399 913	55 529

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
334	Computer and electronic product manufacturing—Con.												
3345	Navigational, measuring, electromedical, and control instruments manufacturing—Con.												
33451	Navigational, measuring, electromedical, and control instruments manufacturing . . .	1	122	43	6 770	414 971	2 946	5 012	144 959	861 215	525 319	1 399 913	55 529
334510	Electromedical and electrotherapeutic apparatus manufacturing . . .	—	9	4	529	29 127	85	157	2 684	83 008	59 407	144 636	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing . . .	—	22	8	3 712	259 717	1 739	2 785	104 787	514 166	206 441	731 210	33 771
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables . . .	3	17	6	416	18 639	209	425	6 386	38 261	31 708	69 294	2 213
334515	Instrument manufacturing for measuring and testing electricity and electrical signals . . .	—	17	5	651	33 271	297	557	11 073	60 137	73 035	134 356	3 711
334516	Analytical laboratory instrument manufacturing . .	5	12	4	334	20 442	98	190	4 164	41 868	27 474	69 513	1 756
334517	Irradiation apparatus manufacturing . . .	4	6	3	255	13 489	110	219	3 597	46 750	23 492	70 552	715
334519	Other measuring and controlling device manufacturing . . .	1	12	3	e	D	D	D	D	D	D	D	4 731
3346	Manufacturing and reproducing magnetic and optical media . . .	3	66	21	1 523	61 891	1 026	1 984	34 230	165 817	95 783	261 266	D
33461	Manufacturing and reproducing magnetic and optical media . .	3	66	21	1 523	61 891	1 026	1 984	34 230	165 817	95 783	261 266	D
334612	Prerecorded compact disc (except software), tape, and record reproducing . . .	3	55	16	1 209	49 283	781	1 564	25 601	125 114	55 943	181 576	D
334613	Magnetic and optical recording media manufacturing . . .	2	9	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing . . .	3	'181	'73	'7 598	'282 449	'5 246	'9 925	'148 698	'753 707	'581 710	'1 330 463	'20 225
3351	Electric lighting equipment manufacturing . . .	2	76	28	h	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing . .	2	75	27	2 486	93 704	1 653	3 303	47 078	278 116	157 402	432 016	5 752
335121	Residential electric lighting fixture manufacturing . . .	2	40	11	776	32 214	441	922	14 036	112 659	65 925	175 779	3 358
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing . . .	1	24	10	1 166	41 613	815	1 595	21 469	118 065	60 366	177 836	1 356
335129	Other lighting equipment manufacturing . . .	5	11	6	544	19 877	397	786	11 573	47 392	31 111	78 401	1 038
3352	Household appliance manufacturing . . .	7	6	2	e	D	D	D	D	D	D	D	D
33521	Small electrical appliance manufacturing . . .	7	5	2	e	D	D	D	D	D	D	D	D
335211	Electric housewares and household fan manufacturing . . .	7	5	2	e	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing . . .	'5	'42	'16	g	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing . . .	'5	'42	'16	g	D	D	D	D	D	D	D	D
335313	Switchgear and switchboard apparatus manufacturing . .	2	13	8	550	23 880	366	762	12 137	44 051	39 384	82 936	664
335314	Relay and industrial control manufacturing . . .	7	16	5	678	29 650	393	778	8 933	66 092	49 282	115 063	1 290

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
335	Electrical equipment, appliance, and component manufacturing—Con.												
3359	Other electrical equipment and component manufacturing	2	57	27	3 293	115 580	2 397	4 300	68 701	260 161	241 147	501 108	6 852
33592	Communication and energy wire and cable manufacturing	4	16	9	711	26 764	540	1 000	17 148	64 822	69 729	136 570	1 792
335929	Other communication and energy wire manufacturing	4	14	7	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	1	18	11	1 878	56 586	1 418	2 306	36 781	134 966	142 700	275 636	3 688
335931	Current-carrying wiring device manufacturing	—	14	8	1 601	46 183	1 239	1 921	31 518	109 125	121 571	228 788	D
335932	Noncurrent-carrying wiring device manufacturing	6	4	3	277	10 403	179	385	5 263	25 841	21 129	46 848	D
33599	All other electrical equipment and component manufacturing	1	22	6	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing	1	20	4	398	20 164	192	402	6 309	35 592	17 984	53 152	D
336	Transportation equipment manufacturing	1	124	35	4 854	222 245	3 207	6 813	110 214	595 032	554 266	1 252 496	38 269
3363	Motor vehicle parts manufacturing	2	67	16	g	D	D	D	D	D	D	D	5 292
33632	Motor vehicle electrical and electronic equipment manufacturing	1	19	3	732	40 093	268	539	7 876	45 594	47 691	98 507	1 006
336322	Other motor vehicle electrical and electronic equipment manufacturing	1	17	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	2	8	1	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	2	8	1	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts manufacturing	1	19	4	389	13 990	278	644	7 735	48 301	48 477	96 914	1 891
336399	All other motor vehicle parts manufacturing	1	19	4	389	13 990	278	644	7 735	48 301	48 477	96 914	1 891
3364	Aerospace product and parts manufacturing	1	23	10	2 044	92 551	1 393	3 025	44 823	199 251	97 149	291 750	29 247
33641	Aerospace product and parts manufacturing	1	23	10	2 044	92 551	1 393	3 025	44 823	199 251	97 149	291 750	29 247
336412	Aircraft engine and engine parts manufacturing	1	9	5	1 479	67 511	984	2 313	34 441	152 365	72 893	224 392	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	12	4	f	D	D	D	D	D	D	D	D
3366	Ship and boat building	4	13	3	e	D	D	D	D	D	D	D	D
33661	Ship and boat building	4	13	3	e	D	D	D	D	D	D	D	D
336611	Ship building and repairing	4	13	3	e	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	5	793	138	10 570	326 322	8 162	15 796	209 741	730 656	568 056	1 298 188	23 915
3371	Household and institutional furniture and kitchen cabinet manufacturing	5	575	77	6 318	176 008	5 047	9 721	121 226	385 401	323 595	709 152	12 708
33711	Wood kitchen cabinet and countertop manufacturing	4	259	17	1 928	55 788	1 489	2 721	36 942	111 911	67 697	178 789	4 345
337110	Wood kitchen cabinet and countertop manufacturing	4	259	17	1 928	55 788	1 489	2 721	36 942	111 911	67 697	178 789	4 345
33712	Household and institutional furniture manufacturing	5	316	60	4 390	120 220	3 558	7 000	84 284	273 490	255 898	530 363	8 363
337121	Upholstered household furniture manufacturing	6	76	19	1 323	35 965	1 102	2 141	26 347	83 074	100 268	182 925	2 872
337122	Nonupholstered wood household furniture manufacturing	5	181	27	2 119	50 921	1 776	3 464	39 496	106 708	91 461	197 439	3 094
337124	Metal household furniture manufacturing	5	19	5	e	D	D	D	D	D	D	D	D
337127	Institutional furniture manufacturing	3	28	9	f	D	D	D	D	D	D	D	1 928

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

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	New York-Wayne-White Plains, NY-NJ Metropolitan Division—Con.												
337	Furniture and related product manufacturing—Con.												
3372	Office furniture (including fixtures) manufacturing	3	'161	46	'2 802	'105 555	'2 007	'3 899	'61 346	'215 741	'124 988	'339 985	'4 462
33721	Office furniture (including fixtures) manufacturing	3	'161	46	'2 802	'105 555	'2 007	'3 899	'61 346	'215 741	'124 988	'339 985	'4 462
337211	Wood office furniture manufacturing	5	19	6	358	13 752	280	589	9 477	29 904	13 022	42 588	528
337212	Custom architectural woodwork and millwork manufacturing	1	'62	14	'955	'43 023	'637	'1 237	'24 259	'78 012	'45 417	'123 262	'1 961
337215	Showcase, partition, shelving, and locker manufacturing	4	70	26	1 434	46 903	1 042	1 978	26 144	102 201	63 090	165 057	1 851
3379	Other furniture related product manufacturing	6	57	15	1 450	44 759	1 108	2 176	27 169	129 514	119 473	249 051	6 745
33791	Mattress manufacturing	9	15	5	501	18 403	438	852	11 708	68 288	57 503	125 710	4 436
337910	Mattress manufacturing	9	15	5	501	18 403	438	852	11 708	68 288	57 503	125 710	4 436
33792	Blind and shade manufacturing	3	42	10	949	26 356	670	1 324	15 461	61 226	61 970	123 341	2 309
337920	Blind and shade manufacturing	3	42	10	949	26 356	670	1 324	15 461	61 226	61 970	123 341	2 309
339	Miscellaneous manufacturing	2	1 681	355	37 834	1 405 742	23 296	44 573	619 075	3 785 943	3 222 954	7 138 547	114 060
3391	Medical equipment and supplies manufacturing	1	404	64	12 192	578 106	5 761	11 219	185 151	1 672 338	506 567	2 292 629	56 524
33911	Medical equipment and supplies manufacturing	1	404	64	12 192	578 106	5 761	11 219	185 151	1 672 338	506 567	2 292 629	56 524
339111	Laboratory apparatus and furniture manufacturing	—	10	7	840	33 617	467	906	13 681	50 236	24 618	75 484	2 896
339112	Surgical and medical instrument manufacturing	3	28	11	1 346	51 535	733	1 461	19 734	233 732	81 274	318 297	5 102
339113	Surgical appliance and supplies manufacturing	—	61	25	7 772	413 448	3 116	6 029	109 518	1 218 503	291 880	1 622 736	32 509
339114	Dental equipment and supplies manufacturing	5	34	8	712	32 302	361	701	10 981	77 421	78 278	153 569	13 310
339116	Dental laboratories	5	259	11	1 333	40 693	980	1 913	29 134	73 130	19 627	92 861	1 952
3399	Other miscellaneous manufacturing	2	1 277	291	25 642	827 636	17 535	33 354	433 924	2 113 605	2 716 387	4 845 918	57 536
33991	Jewelry and silverware manufacturing	2	660	127	12 449	411 442	8 201	15 048	206 410	1 175 627	2 009 006	3 194 777	24 602
339911	Jewelry (except costume) manufacturing	2	480	93	9 371	328 788	6 231	11 452	166 075	933 024	1 573 689	2 533 492	19 263
339913	Jewelers' material and lapidary work manufacturing	2	82	16	2 016	51 109	1 266	2 312	26 949	157 316	381 569	521 492	3 894
339914	Costume jewelry and novelty manufacturing	2	83	14	f	D	D	D	D	D	D	D	D
33992	Sporting and athletic goods manufacturing	6	22	10	619	16 617	452	926	9 969	34 160	31 623	65 807	845
339920	Sporting and athletic goods manufacturing	6	22	10	619	16 617	452	926	9 969	34 160	31 623	65 807	845
33993	Doll, toy, and game manufacturing	1	31	7	562	18 548	342	701	9 373	120 766	111 769	237 011	2 545
339931	Doll and stuffed toy manufacturing	1	15	4	327	9 614	144	301	2 929	32 305	28 948	63 624	335
33994	Office supplies (except paper) manufacturing	5	43	12	614	18 341	393	767	10 569	48 825	33 804	80 837	1 002
339941	Pen and mechanical pencil manufacturing	6	14	6	253	7 904	195	368	4 789	18 784	14 333	33 016	D
33995	Sign manufacturing	2	203	48	4 458	159 078	2 936	6 107	77 014	323 601	206 905	527 676	9 930
339950	Sign manufacturing	2	203	48	4 458	159 078	2 936	6 107	77 014	323 601	206 905	527 676	9 930
33999	All other miscellaneous manufacturing	4	318	87	6 940	203 610	5 211	9 805	120 589	410 626	323 280	739 810	18 612
339991	Gasket, packing, and sealing device manufacturing	3	14	8	e	D	D	D	D	D	D	D	956
339992	Musical instrument manufacturing	—	29	4	871	34 275	698	1 328	23 525	71 026	25 624	95 808	2 852
339993	Fastener, button, needle, and pin manufacturing	2	27	7	490	14 279	352	646	7 909	23 199	26 123	49 158	489
339994	Broom, brush, and mop manufacturing	4	15	6	478	12 517	389	783	7 868	27 930	23 498	51 771	420
339999	All other miscellaneous manufacturing	4	230	61	4 717	128 957	3 512	6 507	73 475	262 548	233 430	502 630	13 845
	Suffolk County-Nassau County, NY Metropolitan Division												

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
31-33	Manufacturing	2	'3 973	'954	'99 166	'3 958 436	'63 605	'123 706	'1 924 120	'15 987 530	'7 847 825	'23 799 426	'640 335
311	Food manufacturing	1	322	50	6 660	202 216	4 100	7 907	106 060	727 231	524 661	1 249 190	25 825
3111	Animal food manufacturing	1	4	1	313	9 888	229	538	3 859	35 935	34 824	70 340	1 621
31111	Animal food manufacturing	1	4	1	313	9 888	229	538	3 859	35 935	34 824	70 340	1 621
311119	Other animal food manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
3113	Sugar and confectionery product manufacturing	—	21	4	583	20 230	437	927	10 237	31 404	55 196	83 965	1 496
31133	Confectionery manufacturing from purchased chocolate	—	9	3	531	18 029	403	855	8 869	26 719	50 173	74 880	1 386
311330	Confectionery manufacturing from purchased chocolate ..	—	9	3	531	18 029	403	855	8 869	26 719	50 173	74 880	1 386
3114	Fruit and vegetable preserving and specialty food manufacturing	1	14	6	444	14 018	350	703	9 081	78 894	71 928	150 816	3 250
3115	Dairy product manufacturing	—	9	2	255	7 484	141	155	3 222	20 387	37 167	57 592	1 218
3118	Bakeries and tortilla manufacturing	1	236	27	3 851	111 593	2 189	4 085	60 316	441 025	210 919	652 490	14 209
31181	Bread and bakery product manufacturing	1	227	26	3 629	105 268	2 009	3 660	56 113	425 082	199 084	624 975	13 972
311811	Retail bakeries	3	167	14	1 242	21 209	616	945	10 731	44 151	22 855	67 372	1 776
311812	Commercial bakeries	—	56	9	2 266	80 660	1 293	2 487	42 876	371 127	164 237	535 963	11 545
3119	Other food manufacturing	3	18	5	822	30 233	420	891	13 016	105 227	73 499	178 610	3 364
31199	All other food manufacturing ...	4	11	3	649	23 016	303	663	9 697	83 522	56 300	139 803	2 789
311999	All other miscellaneous food manufacturing	4	9	3	f	D	D	D	D	D	D	D	D
312	Beverage and tobacco product manufacturing	2	26	5	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	2	24	5	e	D	D	D	D	D	D	D	D
313	Textile mills	4	33	6	f	D	D	D	D	D	D	D	D
3132	Fabric mills	1	15	4	e	D	D	D	D	D	D	D	D
31324	Knit fabric mills	1	6	2	e	D	D	D	D	D	D	D	D
314	Textile product mills	2	'75	'13	'1 070	'28 294	'828	'1 563	'18 463	'65 479	'78 198	'143 477	'1 755
3141	Textile furnishings mills	2	22	4	293	7 935	210	439	4 839	14 180	15 134	29 251	1 004
31412	Curtain and linen mills	2	22	4	293	7 935	210	439	4 839	14 180	15 134	29 251	1 004
3149	Other textile product mills	2	'53	'9	'777	'20 359	'618	'1 124	'13 624	'51 299	'63 064	'114 226	'751
31491	Textile bag and canvas mills ...	'5	'26	'4	'336	'10 983	'265	'497	'7 369	'20 696	'12 950	'33 487	'423
314912	Canvas and related product mills	6	'25	'3	e	D	D	D	D	D	D	D	D
31499	All other textile product mills ...	—	27	5	441	9 376	353	627	6 255	30 603	50 114	80 739	328
314999	All other miscellaneous textile product mills	—	27	5	441	9 376	353	627	6 255	30 603	50 114	80 739	328
315	Apparel manufacturing	2	120	27	2 143	46 373	1 731	3 131	27 996	144 247	156 191	310 413	D
3152	Cut and sew apparel manufacturing	2	88	24	g	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors	4	54	13	1 139	18 820	990	1 758	14 614	31 656	15 737	48 681	D
315212	Women's, girls', and infants' cut and sew apparel contractors	3	46	12	920	15 397	808	1 454	11 819	25 878	15 369	42 534	D
31523	Women's and girls' cut and sew apparel manufacturing	1	20	5	e	D	D	D	D	D	D	D	D
316	Leather and allied product manufacturing	—	13	4	e	D	D	D	D	D	D	D	D
3169	Other leather and allied product manufacturing	—	9	4	e	D	D	D	D	D	D	D	D
31699	Other leather and allied product manufacturing	—	9	4	e	D	D	D	D	D	D	D	D

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	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
321	Wood product manufacturing	5	92	10	g	D	D	D	D	D	D	D	
3219	Other wood product manufacturing	4	86	9	g	D	D	D	D	D	D	D	
32191	Millwork	4	52	6	f	D	D	D	D	D	D	D	
321911	Wood window and door manufacturing	3	22	4	e	D	D	D	D	D	D	D	
322	Paper manufacturing	3	66	28	2 156	88 811	1 591	3 282	48 039	228 521	297 772	529 083	15 056
3222	Converted paper product manufacturing	3	62	25	g	D	D	D	D	D	D	D	
32221	Paperboard container manufacturing	2	28	13	939	37 836	687	1 430	19 995	87 028	131 658	218 825	4 492
322211	Corrugated and solid fiber box manufacturing	1	17	7	487	21 691	342	706	10 767	57 342	86 224	143 080	3 694
32223	Stationery product manufacturing	—	10	4	f	D	D	D	D	D	D	D	D
322232	Envelope manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
32229	Other converted paper product manufacturing	7	12	6	372	15 867	289	595	8 481	56 479	79 445	139 918	3 525
322291	Sanitary paper product manufacturing	7	9	5	324	14 339	250	518	7 517	53 809	75 454	133 247	D
323	Printing and related support activities	3	549	97	8 851	312 483	6 263	12 013	193 814	677 542	399 322	1 073 371	33 140
3231	Printing and related support activities	3	549	97	8 851	312 483	6 263	12 013	193 814	677 542	399 322	1 073 371	33 140
32311	Printing	3	503	92	8 499	296 633	6 012	11 518	183 440	649 451	392 296	1 038 294	32 257
323110	Commercial lithographic printing	2	240	55	5 053	176 225	3 731	7 030	116 943	338 970	225 584	564 851	20 653
323112	Commercial flexographic printing	1	16	8	585	24 732	410	872	15 240	55 628	52 190	104 940	1 809
323113	Commercial screen printing	1	42	6	385	11 767	245	441	5 114	22 401	14 320	36 618	725
323114	Quick printing	3	111	2	392	12 132	248	443	7 243	25 841	12 284	38 070	D
323115	Digital printing	—	17	2	478	15 836	234	487	5 234	45 915	7 470	52 782	1 050
323116	Manifold business forms printing	8	13	5	337	15 065	257	504	9 473	80 878	29 245	110 108	2 481
323118	Blankbook, looseleaf binders, and devices manufacturing	5	7	5	639	17 909	451	851	10 155	32 782	22 969	55 658	1 045
323119	Other commercial printing	4	43	5	381	12 789	260	512	8 177	24 964	14 107	39 074	2 493
32312	Support activities for printing	6	46	5	352	15 850	251	495	10 374	28 091	7 026	35 077	883
323122	Prepress services	6	32	4	276	13 547	190	379	8 789	24 125	5 644	29 730	793
325	Chemical manufacturing	1	155	76	12 451	561 915	7 160	14 614	219 013	7 588 515	1 635 613	9 194 784	193 566
3251	Basic chemical manufacturing	2	9	6	410	21 104	210	465	8 726	40 371	45 359	81 962	3 314
3254	Pharmaceutical and medicine manufacturing	2	69	43	7 666	351 062	4 470	9 370	134 380	3 978 281	678 948	4 645 048	167 152
32541	Pharmaceutical and medicine manufacturing	2	69	43	7 666	351 062	4 470	9 370	134 380	3 978 281	678 948	4 645 048	167 152
325411	Medicinal and botanical manufacturing	7	17	9	1 289	54 404	874	1 944	25 190	673 372	136 388	812 378	13 383
325412	Pharmaceutical preparation manufacturing	1	45	29	6 076	281 304	3 478	7 270	105 809	3 266 623	524 094	3 775 980	D
3255	Paint, coating, and adhesive manufacturing	—	16	2	365	17 086	197	462	6 196	24 262	54 577	76 772	D
32552	Adhesive manufacturing	—	6	2	322	15 433	169	403	5 420	18 926	49 591	66 446	D
325520	Adhesive manufacturing	—	6	2	322	15 433	169	403	5 420	18 926	49 591	66 446	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	—	32	12	h	D	D	D	D	D	D	D	10 592
32562	Toilet preparation manufacturing	—	22	11	h	D	D	D	D	D	D	D	10 448
325620	Toilet preparation manufacturing	—	22	11	h	D	D	D	D	D	D	D	10 448
3259	Other chemical product and preparation manufacturing	1	21	9	780	43 929	377	828	16 593	123 246	119 636	248 968	9 246
32599	All other chemical product and preparation manufacturing	—	18	9	f	D	D	D	D	D	D	D	9 132
325992	Photographic film, paper, plate, and chemical manufacturing	—	5	3	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product and preparation manufacturing	1	11	6	e	D	D	D	D	D	D	D	7 216

See footnotes at end of table.

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

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, 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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	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
326	Plastics and rubber products manufacturing	2	138	54	4 752	148 519	3 452	6 753	82 422	387 423	288 227	668 803	16 253
3261	Plastics product manufacturing ..	2	120	48	4 438	138 448	3 245	6 298	76 716	367 251	267 815	627 730	15 260
32611	Plastics packaging materials and un laminated film and sheet manufacturing	2	18	6	761	24 260	556	1 092	15 964	57 519	60 025	118 263	3 931
326111	Plastics bag manufacturing ..	—	6	3	621	19 054	454	873	12 706	44 123	43 193	88 187	D
32619	Other plastics product manufacturing	3	82	37	3 364	102 932	2 468	4 747	54 074	275 532	184 499	452 008	10 189
326199	All other plastics product manufacturing	3	79	36	h	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	2	18	6	314	10 071	207	455	5 706	20 172	20 412	41 073	993
327	Nonmetallic mineral product manufacturing	5	128	28	1 811	72 173	1 356	2 651	49 152	291 349	195 154	486 158	37 527
3272	Glass and glass product manufacturing	2	25	6	407	15 098	309	531	10 105	34 772	20 182	55 371	1 506
32721	Glass and glass product manufacturing	2	25	6	407	15 098	309	531	10 105	34 772	20 182	55 371	1 506
327215	Glass product manufacturing made of purchased glass ..	2	21	6	397	14 771	301	516	9 858	33 746	19 804	53 967	D
3273	Cement and concrete product manufacturing	5	63	15	1 071	45 267	778	1 584	30 597	224 055	155 816	380 742	34 668
32732	Ready-mix concrete manufacturing	1	33	7	448	20 831	353	709	15 691	45 405	66 402	111 839	2 175
327320	Ready-mix concrete manufacturing	1	33	7	448	20 831	353	709	15 691	45 405	66 402	111 839	2 175
32739	Other concrete product manufacturing	8	16	3	414	14 277	281	587	8 647	143 717	58 534	202 044	D
327390	Other concrete product manufacturing	8	16	3	414	14 277	281	587	8 647	143 717	58 534	202 044	D
3279	Other nonmetallic mineral product manufacturing	6	32	7	303	10 723	243	485	7 650	29 246	15 779	43 392	D
32799	All other nonmetallic mineral product manufacturing	6	32	7	303	10 723	243	485	7 650	29 246	15 779	43 392	D
331	Primary metal manufacturing	2	39	11	548	20 664	398	704	14 044	70 120	54 770	127 063	2 929
3315	Foundries	2	16	6	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	2	13	6	e	D	D	D	D	D	D	D	1 476
332	Fabricated metal product manufacturing	3	659	139	13 098	533 676	8 882	17 051	288 127	1 044 573	652 738	1 686 197	58 815
3321	Forging and stamping.....	3	30	9	594	22 728	455	859	13 999	48 603	28 792	76 915	2 196
33211	Forging and stamping.....	3	30	9	594	22 728	455	859	13 999	48 603	28 792	76 915	2 196
332116	Metal stamping	2	27	8	542	20 505	415	778	12 438	44 586	23 882	67 988	D
3322	Cutlery and handtool manufacturing	—	16	5	730	27 447	597	1 174	18 686	50 101	61 621	113 397	3 058
33221	Cutlery and handtool manufacturing	—	16	5	730	27 447	597	1 174	18 686	50 101	61 621	113 397	3 058
332212	Hand and edge tool manufacturing	—	9	4	312	14 318	193	360	6 558	31 965	38 605	72 728	D
332213	Saw blade and handsaw manufacturing	—	3	1	391	12 083	383	768	11 437	15 534	20 368	35 510	D
3323	Architectural and structural metals manufacturing	3	158	47	4 101	158 822	2 640	4 649	83 492	304 859	221 009	513 807	10 956
33231	Plate work and fabricated structural product manufacturing	2	35	7	434	18 865	240	462	8 203	32 485	32 523	65 139	1 191
332312	Fabricated structural metal manufacturing	2	25	6	340	15 540	166	298	5 666	22 247	27 977	50 366	1 075
33232	Ornamental and architectural metal products manufacturing	4	123	40	3 667	139 957	2 400	4 187	75 289	272 374	188 486	448 668	9 765
332321	Metal window and door manufacturing	5	27	16	1 053	36 022	709	1 513	18 570	76 874	87 064	161 338	3 176
332322	Sheet metal work manufacturing	3	68	20	2 181	86 852	1 412	2 167	48 812	157 719	69 983	218 101	4 472
332323	Ornamental and architectural metal work manufacturing ..	1	28	4	433	17 083	279	507	7 907	37 781	31 439	69 229	2 117

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
332	Fabricated metal product manufacturing—Con.												
3326	Spring and wire product manufacturing	5	15	4	432	14 835	298	597	6 542	34 171	26 198	60 455	883
33261	Spring and wire product manufacturing	5	15	4	432	14 835	298	597	6 542	34 171	26 198	60 455	883
332618	Other fabricated wire product manufacturing	5	12	4	e	D	D	D	D	D	D	D	825
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	307	43	3 722	151 398	2 682	5 481	97 188	273 230	169 058	435 793	24 918
33271	Machine shops	4	240	28	2 153	91 687	1 641	3 363	62 083	166 756	94 170	257 629	16 243
332710	Machine shops	4	240	28	2 153	91 687	1 641	3 363	62 083	166 756	94 170	257 629	16 243
33272	Turned product and screw, nut, and bolt manufacturing	2	67	15	1 569	59 711	1 041	2 118	35 105	106 474	74 888	178 164	8 675
332721	Precision turned product manufacturing	2	50	9	1 014	37 515	697	1 423	23 211	60 341	50 463	108 091	7 117
332722	Bolt, nut, screw, rivet, and washer manufacturing	3	17	6	555	22 196	344	695	11 894	46 133	24 425	70 073	1 558
3328	Coating, engraving, heat treating, and allied activities	2	49	10	665	22 735	520	936	14 179	40 046	16 019	55 888	985
33281	Coating, engraving, heat treating, and allied activities ..	2	49	10	665	22 735	520	936	14 179	40 046	16 019	55 888	985
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	3	30	3	326	11 378	260	510	7 093	19 268	10 214	29 278	D
3329	Other fabricated metal product manufacturing	4	62	15	2 375	114 231	1 395	2 711	43 899	244 997	103 334	353 206	14 865
33291	Metal valve manufacturing	—	13	6	1 140	53 090	655	1 298	23 051	115 180	36 619	154 645	3 747
332911	Industrial valve manufacturing	—	6	3	e	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	7	49	9	1 235	61 141	740	1 413	20 848	129 817	66 715	198 561	11 118
332991	Ball and roller bearing manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product manufacturing	3	33	6	454	19 539	319	601	11 688	36 172	34 104	71 151	8 506
333	Machinery manufacturing	2	242	75	6 326	271 433	3 749	7 241	114 117	561 914	403 673	979 300	39 693
3332	Industrial machinery manufacturing	1	44	13	1 260	65 091	593	1 192	21 344	85 647	99 870	193 357	15 390
33329	Other industrial machinery manufacturing	—	36	10	g	D	D	D	D	D	D	D	14 811
333295	Semiconductor machinery manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery manufacturing	1	18	4	434	19 096	190	395	5 842	23 567	36 786	64 129	9 611
3333	Commercial and service industry machinery manufacturing	1	34	14	1 040	38 440	721	1 282	17 039	90 197	59 605	150 190	8 956
33331	Commercial and service industry machinery manufacturing	1	34	14	1 040	38 440	721	1 282	17 039	90 197	59 605	150 190	8 956
333314	Optical instrument and lens manufacturing	2	10	5	295	10 978	231	414	6 316	19 966	16 351	36 280	7 356
333315	Photographic and photocopying equipment manufacturing	—	7	3	477	17 735	297	464	5 517	47 905	28 688	77 374	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5	20	10	936	35 613	573	1 167	12 977	79 540	68 334	148 346	1 526
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	5	20	10	936	35 613	573	1 167	12 977	79 540	68 334	148 346	1 526
333414	Heating equipment (except warm air furnaces) manufacturing	7	7	4	601	20 986	395	824	9 015	52 130	40 531	93 828	D

See footnotes at end of table.

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

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
333	Machinery manufacturing—Con.												
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing—Con.												
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2	10	4	276	11 967	157	305	3 398	21 923	18 758	40 288	275
3335	Metalworking machinery manufacturing	1	68	10	733	31 025	516	942	17 828	70 570	51 410	121 747	4 232
33351	Metalworking machinery manufacturing	1	68	10	733	31 025	516	942	17 828	70 570	51 410	121 747	4 232
3336	Engine, turbine, and power transmission equipment manufacturing	8	9	5	470	12 711	335	706	7 520	23 186	13 387	36 713	D
33361	Engine, turbine, and power transmission equipment manufacturing	8	9	5	470	12 711	335	706	7 520	23 186	13 387	36 713	D
333612	Speed changer, industrial high-speed drive, and gear manufacturing	9	4	3	410	9 695	286	621	5 650	18 088	11 030	29 267	577
3339	Other general purpose machinery manufacturing	1	62	22	1 841	86 401	980	1 883	36 133	203 877	108 603	317 433	8 742
33391	Pump and compressor manufacturing	—	8	6	527	24 504	171	313	5 834	62 356	21 932	83 572	4 092
333912	Air and gas compressor manufacturing	—	2	1	e	D	D	D	D	D	D	D	D
33399	All other general purpose machinery manufacturing	1	44	12	1 118	52 570	664	1 244	24 338	120 210	70 629	196 325	4 502
333995	Fluid power cylinder and actuator manufacturing	1	5	4	516	24 119	331	600	13 160	49 478	28 581	82 343	1 234
333999	All other miscellaneous general purpose machinery manufacturing	2	26	4	340	15 339	195	371	5 829	40 231	22 889	63 273	2 924
334	Computer and electronic product manufacturing	1	275	111	17 221	848 977	9 206	17 462	336 449	2 072 312	1 519 458	3 596 121	125 750
3341	Computer and peripheral equipment manufacturing	—	27	6	845	34 645	572	1 063	19 509	220 562	344 946	573 300	D
33411	Computer and peripheral equipment manufacturing	—	27	6	845	34 645	572	1 063	19 509	220 562	344 946	573 300	D
334119	Other computer peripheral equipment manufacturing ..	—	17	3	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	2	50	21	4 698	248 801	2 032	3 944	75 980	567 388	585 919	1 158 751	D
33421	Telephone apparatus manufacturing	7	8	3	302	14 856	137	251	6 302	13 044	17 222	42 793	D
334210	Telephone apparatus manufacturing	7	8	3	302	14 856	137	251	6 302	13 044	17 222	42 793	D
33422	Radio and television broadcasting and wireless communications equipment manufacturing	3	26	15	2 885	164 528	1 333	2 616	51 552	265 472	354 363	615 246	12 114
334220	Radio and television broadcasting and wireless communications equipment manufacturing	3	26	15	2 885	164 528	1 333	2 616	51 552	265 472	354 363	615 246	12 114
33429	Other communications equipment manufacturing	—	16	3	1 511	69 417	562	1 077	18 126	288 872	214 334	500 712	D
334290	Other communications equipment manufacturing ..	—	16	3	1 511	69 417	562	1 077	18 126	288 872	214 334	500 712	D

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	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
334	Computer and electronic product manufacturing—Con.												
3344	Semiconductor and other electronic component manufacturing	1	99	46	5 731	237 544	3 471	6 666	106 011	529 654	269 234	807 039	17 133
33441	Semiconductor and other electronic component manufacturing	1	99	46	5 731	237 544	3 471	6 666	106 011	529 654	269 234	807 039	17 133
334412	Bare printed circuit board manufacturing	—	13	5	g	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	1	19	8	1 143	55 223	647	1 192	25 007	102 321	46 301	150 410	4 186
334414	Electronic capacitor manufacturing	—	3	2	e	D	D	D	D	D	D	D	893
334416	Electronic coil, transformer, and other inductor manufacturing	2	9	5	291	9 197	238	426	6 017	17 470	6 672	23 820	D
334417	Electronic connector manufacturing	1	7	3	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	7	15	6	554	17 302	365	731	8 792	52 374	45 115	97 528	1 287
334419	Other electronic component manufacturing	1	31	15	1 169	59 693	707	1 409	26 164	121 139	61 529	184 064	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	80	34	5 491	314 095	2 724	4 849	124 098	731 786	303 346	1 018 435	46 270
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	80	34	5 491	314 095	2 724	4 849	124 098	731 786	303 346	1 018 435	46 270
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	14	6	2 181	153 442	1 249	2 043	76 207	381 703	121 561	487 278	31 499
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	3	11	6	1 007	37 128	423	781	9 819	98 522	53 957	155 036	3 992
334519	Other measuring and controlling device manufacturing	—	14	9	1 313	75 163	565	1 055	24 236	137 436	66 581	201 968	5 537
3346	Manufacturing and reproducing magnetic and optical media.....	7	15	3	398	11 870	362	842	9 791	18 582	6 781	25 213	309
33461	Manufacturing and reproducing magnetic and optical media...	7	15	3	398	11 870	362	842	9 791	18 582	6 781	25 213	309
334612	Prerecorded compact disc (except software), tape, and record reproducing	9	11	2	360	10 096	345	812	9 286	15 288	3 201	18 427	237
335	Electrical equipment, appliance, and component manufacturing	4	97	40	3 281	133 919	2 153	4 227	66 063	330 487	280 706	607 824	12 923
3351	Electric lighting equipment manufacturing	3	25	10	f	D	D	D	D	D	D	D	D
33512	Lighting fixture manufacturing ..	3	25	10	f	D	D	D	D	D	D	D	D
3353	Electrical equipment manufacturing	4	39	16	1 652	68 516	1 089	2 225	35 765	176 673	113 112	287 117	7 559
33531	Electrical equipment manufacturing	4	39	16	1 652	68 516	1 089	2 225	35 765	176 673	113 112	287 117	7 559
335312	Motor and generator manufacturing	1	6	2	266	10 585	243	536	8 917	29 202	4 044	33 781	136
335313	Switchgear and switchboard apparatus manufacturing ...	3	9	4	483	21 314	282	511	9 228	68 565	53 512	121 297	2 667
335314	Relay and industrial control manufacturing	6	24	10	903	36 617	564	1 178	17 620	78 906	55 556	132 039	4 756
3359	Other electrical equipment and component manufacturing	4	32	13	972	43 384	618	1 136	18 438	104 053	133 021	234 578	D
33599	All other electrical equipment and component manufacturing	7	16	9	508	23 395	277	508	7 691	65 641	52 947	117 028	2 309
335999	All other miscellaneous electrical equipment and component manufacturing ..	7	16	9	508	23 395	277	508	7 691	65 641	52 947	117 028	2 309

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336	Transportation equipment manufacturing	1	120	35	h	D	D	D	D	D	D	D	21 687
3363	Motor vehicle parts manufacturing	5	52	13	f	D	D	D	D	D	D	D	3 563
33632	Motor vehicle electrical and electronic equipment manufacturing	6	12	4	e	D	D	D	D	D	D	D	1 662
336322	Other motor vehicle electrical and electronic equipment manufacturing	6	11	4	e	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	1	35	18	2 499	132 880	1 040	2 116	44 347	562 777	337 840	893 031	16 200
33641	Aerospace product and parts manufacturing	1	35	18	2 499	132 880	1 040	2 116	44 347	562 777	337 840	893 031	16 200
336411	Aircraft manufacturing	—	4	3	f	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	4	24	10	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	3	329	49	4 108	139 053	3 017	5 885	84 612	287 520	205 650	494 372	6 207
3371	Household and institutional furniture and kitchen cabinet manufacturing	5	238	20	1 683	48 485	1 312	2 564	32 772	88 831	66 600	154 830	2 310
33711	Wood kitchen cabinet and countertop manufacturing	4	145	10	981	29 822	738	1 429	19 541	51 437	33 393	84 978	1 313
337110	Wood kitchen cabinet and countertop manufacturing	4	145	10	981	29 822	738	1 429	19 541	51 437	33 393	84 978	1 313
33712	Household and institutional furniture manufacturing	6	93	10	702	18 663	574	1 135	13 231	37 394	33 207	69 852	997
337122	Nonupholstered wood household furniture manufacturing	6	57	6	438	10 027	383	756	8 166	21 368	18 477	39 082	547
3372	Office furniture (including fixtures) manufacturing	2	80	26	2 139	82 217	1 515	2 903	47 708	181 717	118 846	302 228	3 577
33721	Office furniture (including fixtures) manufacturing	2	80	26	2 139	82 217	1 515	2 903	47 708	181 717	118 846	302 228	3 577
337212	Custom architectural woodwork and millwork manufacturing	2	33	6	629	26 105	460	893	16 317	70 501	43 040	113 425	1 517
337215	Showcase, partition, shelving, and locker manufacturing	2	35	18	1 252	46 798	888	1 612	26 243	89 853	61 760	152 717	1 690
3379	Other furniture related product manufacturing	5	11	3	286	8 351	190	418	4 132	16 972	20 204	37 314	320
339	Miscellaneous manufacturing	3	477	93	8 425	296 796	5 838	11 569	153 384	651 095	432 614	1 076 204	37 927
3391	Medical equipment and supplies manufacturing	4	208	40	3 181	117 399	2 182	4 416	64 042	285 597	111 457	396 768	13 967
33911	Medical equipment and supplies manufacturing	4	208	40	3 181	117 399	2 182	4 416	64 042	285 597	111 457	396 768	13 967
339111	Laboratory apparatus and furniture manufacturing	—	12	5	286	12 519	171	381	6 218	31 776	18 159	49 726	D
339112	Surgical and medical instrument manufacturing	6	20	9	573	23 923	341	674	9 948	69 574	32 481	101 948	3 779
339113	Surgical appliance and supplies manufacturing	4	31	9	919	32 079	701	1 492	19 399	84 969	30 757	115 282	2 985
339115	Ophthalmic goods manufacturing	3	13	5	341	12 560	240	474	6 112	36 392	12 920	49 465	1 514
339116	Dental laboratories	3	118	11	968	32 593	658	1 265	20 717	55 587	13 667	69 262	5 135
3399	Other miscellaneous manufacturing	2	269	53	5 244	179 397	3 656	7 153	89 342	365 498	321 157	679 436	23 960
33991	Jewelry and silverware manufacturing	2	49	8	530	19 922	351	708	11 062	47 471	57 580	105 488	4 086
339911	Jewelry (except costume) manufacturing	2	33	8	459	17 282	305	617	9 748	44 329	53 215	97 530	D
33993	Doll, toy, and game manufacturing	1	14	2	340	10 679	205	383	4 117	25 711	43 265	68 332	D
339932	Game, toy, and children's vehicle manufacturing	1	12	2	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area—Con.												
	Suffolk County-Nassau County, NY Metropolitan Division—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing—Con.												
33994	Office supplies (except paper) manufacturing	—	11	4	e	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	—	4	3									
33995	Sign manufacturing	4	97	17	1 309	11 914	314	635	7 759	26 180	21 840	48 097	794
339950	Sign manufacturing	4	97	17	1 309	47 108	861	1 688	23 435	90 286	63 227	150 034	7 301
33999	All other miscellaneous manufacturing	4	97	17	1 309	47 108	861	1 688	23 435	90 286	63 227	150 034	7 301
339992	Musical instrument manufacturing	2	82	20	2 483	82 271	1 823	3 555	40 333	162 907	111 210	270 883	5 532
339999	All other miscellaneous manufacturing	—	6	1	f	D	D	D	D	D	D	D	D
		2	61	16	1 640	55 826	1 134	2 258	24 880	102 924	81 862	182 584	3 956
	Poughkeepsie-Newburgh-Middletown, NY Metropolitan Statistical Area												
31-33	Manufacturing	—	550	155	27 902	1 523 566	11 818	23 582	381 709	4 078 517	2 732 622	6 775 156	284 363
311	Food manufacturing	3	38	10	493	15 512	365	697	10 274	52 159	106 190	158 409	3 577
312	Beverage and tobacco product manufacturing	9	6	1	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	9	6	1	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	9	2	1	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	9	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills	4	12	5	261	6 180	183	356	3 430	12 173	11 001	22 910	D
315	Apparel manufacturing	4	21	5	e	D	D	D	D	D	D	D	201
3152	Cut and sew apparel manufacturing	5	18	4	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	31	8	707	23 142	528	975	13 006	60 657	61 100	120 150	1 383
3219	Other wood product manufacturing	2	25	5	558	16 768	427	763	10 015	45 383	31 966	77 281	1 063
32199	All other wood product manufacturing	2	7	3	437	13 037	336	608	7 840	37 890	27 539	65 381	901
321992	Prefabricated wood building manufacturing	3	2	2	e	D	D	D	D	D	D	D	D
322	Paper manufacturing	1	15	7	690	22 219	555	1 058	16 335	42 407	71 541	120 035	1 865
3222	Converted paper product manufacturing	1	14	7	f	D	D	D	D	D	D	D	D
32222	Paper bag and coated and treated paper manufacturing ..	1	6	2	328	12 826	271	422	8 930	17 326	48 963	72 398	1 015
323	Printing and related support activities	2	58	7	638	18 658	490	783	12 600	36 243	23 239	59 192	3 539
3231	Printing and related support activities	2	58	7	638	18 658	490	783	12 600	36 243	23 239	59 192	3 539
32311	Printing	2	55	7	635	18 513	488	780	12 524	35 951	23 184	58 845	D
323110	Commercial lithographic printing	2	26	5	456	11 766	364	523	8 168	25 090	15 788	40 610	942
325	Chemical manufacturing	5	21	10	994	45 892	498	1 052	20 776	163 056	146 717	308 234	15 225
3251	Basic chemical manufacturing ...	5	5	3	e	D	D	D	D	D	D	D	9 997
3256	Soap, cleaning compound, and toilet preparation manufacturing .	6	7	4	e	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	6	6	3	365	16 487	176	349	5 652	65 343	41 524	105 992	D
325620	Toilet preparation manufacturing	6	6	3	365	16 487	176	349	5 652	65 343	41 524	105 992	D
3259	Other chemical product and preparation manufacturing	2	7	3	e	D	D	D	D	D	D	D	D
32599	All other chemical product and preparation manufacturing ...	2	7	3	e	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Poughkeepsie-Newburgh-Middletown, NY Metropolitan Statistical Area—Con.												
326	Plastics and rubber products manufacturing	1	23	12	1 370	49 670	1 003	2 063	29 640	120 664	118 748	244 181	6 592
3261	Plastics product manufacturing ..	-	18	8	882	31 201	645	1 303	18 922	84 768	77 525	166 314	4 810
32619	Other plastics product manufacturing	-	13	4	433	16 745	344	689	10 952	33 099	35 199	73 042	1 730
326192	Resilient floor covering manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
3262	Rubber product manufacturing ...	3	5	4	488	18 469	358	760	10 718	35 896	41 223	77 867	1 782
32629	Other rubber product manufacturing	-	4	3	e	D	D	D	D	D	D	D	D
326299	All other rubber product manufacturing	-	2	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	4	33	11	676	25 480	464	918	15 079	69 106	41 812	106 525	4 337
3273	Cement and concrete product manufacturing	5	15	7	352	13 137	252	526	8 314	44 897	25 863	66 872	2 618
331	Primary metal manufacturing	-	4	3	355	15 746	257	568	10 425	32 776	107 646	141 241	D
3314	Nonferrous metal (except aluminum) production and processing	-	2	2	e	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	-	2	2	e	D	D	D	D	D	D	D	D
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	-	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	-	'90	'20	'1 648	'65 620	'1 168	'2 430	'41 603	'212 355	'237 775	'453 134	'14 671
3324	Boiler, tank, and shipping container manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
33243	Metal can, box, and other metal container (light gauge) manufacturing	-	3	2	e	D	D	D	D	D	D	D	D
332431	Metal can manufacturing	-	2	2	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	-	11	5	499	16 299	347	739	9 503	40 342	19 596	60 468	1 545
33299	All other fabricated metal product manufacturing	-	8	4	337	9 809	270	596	6 690	17 978	10 548	28 798	1 106
332999	All other miscellaneous fabricated metal product manufacturing	-	6	3	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	'33	'15	'923	'35 746	'568	'1 080	'19 549	'107 405	'70 923	'183 879	'6 813
3332	Industrial machinery manufacturing	-	11	6	390	14 902	200	344	6 289	55 980	45 952	108 752	3 581
33329	Other industrial machinery manufacturing	-	9	5	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	24	9	j	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	12	7	j	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	12	7	j	D	D	D	D	D	D	D	D
334412	Bare printed circuit board manufacturing	-	1	1	e	D	D	D	D	D	D	D	D
334413	Semiconductor and related device manufacturing	-	2	2	i	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) manufacturing	-	2	2	i	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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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)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Poughkeepsie-Newburgh-Middletown, NY Metropolitan Statistical Area—Con.												
335	Electrical equipment, appliance, and component manufacturing	3	23	13	992	37 410	717	1 527	22 226	90 469	113 647	202 414	14 550
3351	Electric lighting equipment manufacturing	—	11	8	413	13 056	300	635	7 530	30 772	24 347	52 916	D
33512	Lighting fixture manufacturing ..	—	10	7	e	D	D	D	D	D	D	D	D
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	—	6	5	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	4	7	5	554	23 624	397	854	14 168	57 694	87 653	145 848	D
33592	Communication and energy wire and cable manufacturing ..	6	3	3	e	D	D	D	D	D	D	D	1 318
335929	Other communication and energy wire manufacturing ..	6	3	3	e	D	D	D	D	D	D	D	1 318
337	Furniture and related product manufacturing	4	33	8	478	14 482	379	792	9 874	23 425	19 028	42 274	D
3371	Household and institutional furniture and kitchen cabinet manufacturing	5	25	4	290	8 061	232	459	5 846	13 796	11 854	25 521	D
339	Miscellaneous manufacturing	4	54	5	519	16 005	405	791	10 292	33 785	15 939	49 758	6 760
3399	Other miscellaneous manufacturing	4	29	4	349	10 576	273	539	6 582	20 976	11 950	32 946	D
33999	All other miscellaneous manufacturing	3	12	3	268	8 286	216	458	5 386	16 411	7 876	24 276	211
	Torrington, CT Micropolitan Statistical Area												
31-33	Manufacturing	1	422	127	14 173	523 786	9 732	18 288	319 013	1 567 864	1 141 888	2 712 126	79 131
311	Food manufacturing	5	21	4	859	29 123	636	943	16 943	90 360	91 352	170 420	3 695
3119	Other food manufacturing	5	5	2	f	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	—	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
323	Printing and related support activities	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
3231	Printing and related support activities	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
32311	Printing	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
323119	Other commercial printing ..	9	2	1	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	—	19	9	1 089	33 724	877	1 794	21 028	82 305	77 237	160 103	17 220
3261	Plastics product manufacturing ..	—	19	9	1 089	33 724	877	1 794	21 028	82 305	77 237	160 103	17 220
32619	Other plastics product manufacturing	—	14	5	923	28 782	756	1 566	18 777	70 615	69 301	141 395	16 450
326199	All other plastics product manufacturing	—	14	5	923	28 782	756	1 566	18 777	70 615	69 301	141 395	16 450
332	Fabricated metal product manufacturing	2	133	44	4 469	161 447	2 903	5 691	101 303	326 274	285 652	612 598	16 029
3321	Forging and stamping.....	1	23	8	1 072	48 822	847	1 696	34 998	88 874	91 929	181 435	7 541
33211	Forging and stamping.....	1	23	8	1 072	48 822	847	1 696	34 998	88 874	91 929	181 435	7 541
332116	Metal stamping	2	20	6	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	5	66	17	1 648	49 766	666	1 276	23 110	82 418	109 686	192 426	3 745
33271	Machine shops	7	44	8	1 177	33 169	309	634	11 715	49 340	95 603	145 271	2 730
332710	Machine shops	7	44	8	1 177	33 169	309	634	11 715	49 340	95 603	145 271	2 730
33272	Turned product and screw, nut, and bolt manufacturing	1	22	9	471	16 597	357	642	11 395	33 078	14 083	47 155	1 015
332721	Precision turned product manufacturing	1	16	7	e	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Torrington, CT Micropolitan Statistical Area—Con.												
332	Fabricated metal product manufacturing—Con.												
3328	Coating, engraving, heat treating, and allied activities	—	10	6	661	22 609	528	1 050	14 909	49 039	25 278	74 362	D
33281	Coating, engraving, heat treating, and allied activities ..	—	10	6	661	22 609	528	1 050	14 909	49 039	25 278	74 362	D
332813	Electroplating, plating, polishing, anodizing, and coloring	—	6	5	622	21 536	502	1 006	14 210	46 975	24 698	71 718	1 187
3329	Other fabricated metal product manufacturing	2	14	6	f	D	D	D	D	D	D	D	1 781
33299	All other fabricated metal product manufacturing	2	13	6	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	2	3	2	e	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	60	14	871	35 021	515	920	17 529	86 759	54 972	139 328	3 396
3332	Industrial machinery manufacturing	3	12	4	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	—	19	9	823	34 764	398	626	12 407	67 896	47 594	117 019	1 769
3344	Semiconductor and other electronic component manufacturing	—	8	5	e	D	D	D	D	D	D	D	915
33441	Semiconductor and other electronic component manufacturing	—	8	5	e	D	D	D	D	D	D	D	915
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	9	3	409	18 196	188	225	6 542	42 273	19 360	61 213	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	9	3	409	18 196	188	225	6 542	42 273	19 360	61 213	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	2	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	1	14	8	1 100	34 317	668	927	13 779	86 800	54 608	148 310	3 280
3353	Electrical equipment manufacturing	—	4	4	e	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	—	4	4	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
3359	Other electrical equipment and component manufacturing	1	8	4	654	22 231	304	530	6 375	67 978	42 345	117 606	2 739
33593	Wiring device manufacturing ...	—	7	3	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	4	866	26 762	682	1 180	18 825	72 962	43 474	119 889	D
3363	Motor vehicle parts manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	5	24	3	264	7 967	197	407	5 707	13 368	9 570	23 211	486
339	Miscellaneous manufacturing	1	36	11	1 484	55 617	1 121	2 362	40 096	280 578	85 192	366 811	5 748
3391	Medical equipment and supplies manufacturing	—	9	3	f	D	D	D	D	D	D	D	4 874
33911	Medical equipment and supplies manufacturing	—	9	3	f	D	D	D	D	D	D	D	4 874
339112	Surgical and medical instrument manufacturing ..	—	4	2	f	D	D	D	D	D	D	D	D

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

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

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		E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)					Wages (\$1,000)
	NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.												
	Torrington, CT Micropolitan Statistical Area—Con.												
339	Miscellaneous manufacturing—Con.												
3399	Other miscellaneous manufacturing	4	27	8	f	D	D	D	D	D	D	874	
33992	Sporting and athletic goods manufacturing	9	3	1	e	D	D	D	D	D	D	D	
339920	Sporting and athletic goods manufacturing	9	3	1	e	D	D	D	D	D	D	D	
33999	All other miscellaneous manufacturing	—	15	5	312	11 879	238	484	7 842	18 940	14 673	33 586	D
	Trenton-Ewing, NJ Metropolitan Statistical Area												
31-33	Manufacturing	1	315	93	8 600	352 573	5 870	11 514	197 453	1 457 405	913 720	2 380 418	57 202
311	Food manufacturing	3	37	6	e	D	D	D	D	D	D	D	1 481
3118	Bakeries and tortilla manufacturing	2	23	3	255	3 829	178	206	2 038	6 826	4 075	11 450	320
31181	Bread and bakery product manufacturing	2	23	3	255	3 829	178	206	2 038	6 826	4 075	11 450	320
312	Beverage and tobacco product manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
3121	Beverage manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
31211	Soft drink and ice manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product manufacturing	—	7	2	313	11 542	235	476	7 805	27 853	12 244	39 990	D
3212	Veneer, plywood, and engineered wood product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, and engineered wood product manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	56	16	1 221	51 879	811	1 641	30 972	102 684	117 808	221 346	6 805
3231	Printing and related support activities	1	56	16	1 221	51 879	811	1 641	30 972	102 684	117 808	221 346	6 805
32311	Printing	1	49	14	1 027	45 016	654	1 340	26 167	91 894	111 836	204 874	6 492
323110	Commercial lithographic printing	1	22	10	525	23 876	328	647	13 794	46 947	89 607	137 435	3 853
325	Chemical manufacturing	—	15	7	817	33 807	502	1 060	15 445	428 214	224 323	657 241	10 511
3254	Pharmaceutical and medicine manufacturing	—	7	3	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	7	3	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	6	2	e	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	1	22	11	1 005	40 303	766	1 601	29 249	131 055	88 952	223 192	4 030
3261	Plastics product manufacturing	1	15	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	—	11	6	754	32 478	586	1 223	24 518	102 511	62 077	167 411	2 802
326192	Resilient floor covering manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	2	8	3	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	5	11	6	295	9 132	225	483	6 831	18 602	10 981	29 728	D
332	Fabricated metal product manufacturing	6	37	7	573	23 831	431	864	16 031	50 895	31 999	82 952	3 568
333	Machinery manufacturing	—	27	11	1 881	76 162	1 288	2 428	40 087	271 741	197 084	469 972	9 436
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA—Con.													
Trenton-Ewing, NJ Metropolitan Statistical Area—Con.													
333	Machinery manufacturing—Con.												
3339	Other general purpose machinery manufacturing	—	8	4	514	29 366	235	453	9 629	50 860	51 438	104 848	D
33391	Pump and compressor manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
333912	Air and gas compressor manufacturing	—	2	2	e	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	1	31	11	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	3	8	5	e	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	3	8	5	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	15	4	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	15	4	e	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	3	30	6	e	D	D	D	D	D	D	D	D
NORWICH-NEW LONDON, CT METROPOLITAN STATISTICAL AREA													
31-33	Manufacturing	—	209	56	13 308	690 542	6 000	12 526	224 407	2 226 256	854 978	3 089 796	98 412
322	Paper manufacturing	—	6	6	735	35 521	548	1 221	23 145	139 735	133 930	273 639	7 117
3221	Pulp, paper, and paperboard mills	—	3	3	e	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	3	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	—	3	3	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing	—	9	5	862	53 056	521	1 059	30 960	126 745	225 492	352 259	D
3254	Pharmaceutical and medicine manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	9	5	407	11 630	345	745	8 478	32 316	21 041	52 833	1 724
3261	Plastics product manufacturing	4	8	4	e	D	D	D	D	D	D	D	D
331	Primary metal manufacturing	1	8	4	388	15 052	249	560	8 518	40 376	25 175	65 177	1 839
3314	Nonferrous metal (except aluminum) production and processing	1	4	3	e	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	—	28	4	444	18 719	283	630	9 673	73 262	33 318	106 177	2 131
333	Machinery manufacturing	—	14	2	638	27 755	334	582	13 807	38 236	69 461	113 137	2 270
3332	Industrial machinery manufacturing	—	4	1	f	D	D	D	D	D	D	D	D
33322	Plastics and rubber industry machinery manufacturing	—	3	1	e	D	D	D	D	D	D	D	D
333220	Plastics and rubber industry machinery manufacturing	—	3	1	e	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)				
NORWICH-NEW LONDON, CT METROPOLITAN STATISTICAL AREA—Con.													
334	Computer and electronic product manufacturing	—	11	3	498	20 038	286	558	7 689	71 684	48 129	126 816	1 153
3345	Navigational, measuring, electromedical, and control instruments manufacturing	1	4	1	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	1	4	1	e	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	1	2	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	7	4	296	11 483	122	240	2 909	25 580	10 106	34 543	D
336	Transportation equipment manufacturing	—	8	3	i	D	D	D	D	D	D	D	D
3366	Ship and boat building	—	4	2	i	D	D	D	D	D	D	D	D
33661	Ship and boat building	—	4	2	i	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	—	4	2	i	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	5	19	8	330	10 234	233	441	4 873	31 496	17 557	48 676	976

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)				
FAIRFIELD													
31-33	Manufacturing	2	1 164	348	54 168	2 633 787	29 386	55 219	1 017 117	9 458 645	4 469 882	13 928 159	420 323
311	Food manufacturing	-	77	12	2 121	82 265	1 176	2 540	41 660	524 006	191 898	715 735	3 821
3118	Bakeries and tortilla manufacturing	-	53	6	1 583	57 974	906	2 013	34 167	473 695	117 730	591 284	D
31181	Bread and bakery product manufacturing	-	51	5	g	D	D	D	D	D	D	D	1 735
311812	Commercial bakeries	-	13	4	g	D	D	D	D	D	D	D	1 247
323	Printing and related support activities	2	'160	'30	'2 210	'91 212	'1 546	'3 028	'52 678	'179 774	'111 743	'292 147	'7 339
3231	Printing and related support activities	2	'160	'30	'2 210	'91 212	'1 546	'3 028	'52 678	'179 774	'111 743	'292 147	'7 339
32311	Printing	2	'142	'27	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	71	19	1 311	56 890	907	1 845	33 131	108 597	81 071	189 920	5 246
325	Chemical manufacturing	5	53	21	4 426	347 641	1 654	3 690	60 227	3 153 367	498 117	3 642 406	68 803
3251	Basic chemical manufacturing	-	9	8	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	9	6	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	9	6	3	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	9	4	3	g	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing	-	16	8	g	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	-	12	7	1 618	67 498	832	1 801	22 107	1 174 657	177 614	1 367 491	17 926
325620	Toilet preparation manufacturing	-	12	7	1 618	67 498	832	1 801	22 107	1 174 657	177 614	1 367 491	17 926
326	Plastics and rubber products manufacturing	2	50	23	h	D	D	D	D	D	D	D	18 427
3261	Plastics product manufacturing	2	43	18	h	D	D	D	D	D	D	D	17 496
32611	Plastics packaging materials and unlaminated film and sheet manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	2	33	14	g	D	D	D	D	D	D	D	D
326199	All other plastics product manufacturing	3	32	14	g	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	3	'192	'57	'4 599	'184 130	'3 395	'6 801	'108 273	'423 018	'237 554	'663 550	'17 358
3323	Architectural and structural metals manufacturing	3	42	13	788	30 598	534	1 062	15 143	70 774	41 172	112 907	1 803
33232	Ornamental and architectural metal products manufacturing	3	29	10	625	24 123	418	820	11 360	55 508	31 116	87 567	1 357
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	74	7	861	37 728	605	1 223	22 204	76 362	29 618	106 018	3 229
33272	Turned product and screw, nut, and bolt manufacturing	-	16	7	559	23 429	380	803	13 351	48 005	20 987	69 225	D
3328	Coating, engraving, heat treating, and allied activities	1	'31	'11	'560	'20 643	'435	'840	'13 882	'35 638	'15 364	'52 709	'2 096
33281	Coating, engraving, heat treating, and allied activities	1	'31	'11	'560	'20 643	'435	'840	'13 882	'35 638	'15 364	'52 709	'2 096
3329	Other fabricated metal product manufacturing	5	18	10	1 275	54 198	977	1 999	33 875	134 150	78 026	211 874	5 630
33299	All other fabricated metal product manufacturing	8	14	7	918	43 662	681	1 417	27 265	88 864	36 963	126 045	3 214
332991	Ball and roller bearing manufacturing	9	3	3	730	36 252	553	1 164	23 259	73 489	27 585	101 600	D
333	Machinery manufacturing	2	106	41	8 649	414 470	3 350	6 523	145 659	1 482 847	781 355	2 342 929	82 742
3332	Industrial machinery manufacturing	8	11	6	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	8	10	6	g	D	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing	9	5	3	g	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	-	20	10	h	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	-	20	10	h	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing	-	4	4	h	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)
FAIRFIELD—Con.													
333	Machinery manufacturing—Con.												
3335	Metalworking machinery manufacturing	4	47	12	1 137	52 334	657	1 407	30 121	83 447	46 762	128 276	D
33351	Metalworking machinery manufacturing	4	47	12	1 137	52 334	657	1 407	30 121	83 447	46 762	128 276	D
3339	Other general purpose machinery manufacturing	5	22	10	654	33 074	331	699	11 829	75 211	69 321	148 762	D
334	Computer and electronic product manufacturing	1	115	53	8 786	478 394	3 630	7 112	137 712	863 796	659 072	1 514 937	50 848
3342	Communications equipment manufacturing	6	20	12	1 030	56 040	441	901	13 778	112 584	107 111	218 034	2 991
33422	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	7	637	33 519	373	768	10 594	66 324	77 771	143 979	2 029
334220	Radio and television broadcasting and wireless communications equipment manufacturing	6	10	7	637	33 519	373	768	10 594	66 324	77 771	143 979	2 029
3344	Semiconductor and other electronic component manufacturing	—	34	15	1 907	88 620	1 088	2 225	38 030	160 182	111 840	268 060	27 230
33441	Semiconductor and other electronic component manufacturing	—	34	15	1 907	88 620	1 088	2 225	38 030	160 182	111 840	268 060	27 230
334419	Other electronic component manufacturing	—	10	6	697	32 563	426	767	14 374	54 591	34 796	90 553	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	49	24	5 698	327 585	2 051	3 894	84 439	580 326	430 619	1 008 606	20 307
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	49	24	5 698	327 585	2 051	3 894	84 439	580 326	430 619	1 008 606	20 307
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	7	4	g	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	—	15	8	1 186	60 236	562	1 185	21 354	124 938	77 695	197 796	3 133
334516	Analytical laboratory instrument manufacturing	—	5	3	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	2	46	19	2 453	83 193	1 653	3 124	42 947	257 957	138 486	395 073	7 648
3353	Electrical equipment manufacturing	2	18	8	870	30 939	558	914	16 297	73 130	72 749	145 106	D
33531	Electrical equipment manufacturing	2	18	8	870	30 939	558	914	16 297	73 130	72 749	145 106	D
3359	Other electrical equipment and component manufacturing	1	20	10	1 415	47 863	940	1 915	23 003	140 879	58 676	200 630	D
33599	All other electrical equipment and component manufacturing	1	11	6	933	30 319	592	1 180	13 291	99 298	30 155	131 595	542
335999	All other miscellaneous electrical equipment and component manufacturing	1	11	6	933	30 319	592	1 180	13 291	99 298	30 155	131 595	542
336	Transportation equipment manufacturing	1	29	17	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	11	7	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	1	11	7	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	1	11	7	i	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	1	4	3	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	81	11	813	27 699	600	1 163	16 769	60 579	34 412	94 059	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)				
FAIRFIELD—Con.													
339	Miscellaneous manufacturing	1	105	21	3 674	140 924	2 398	4 626	65 666	310 643	321 556	638 300	30 605
3391	Medical equipment and supplies manufacturing	2	52	13	2 109	97 162	1 311	2 506	45 248	217 612	241 740	466 571	19 357
33911	Medical equipment and supplies manufacturing	2	52	13	2 109	97 162	1 311	2 506	45 248	217 612	241 740	466 571	19 357
339112	Surgical and medical instrument manufacturing	3	11	4	963	44 683	652	1 310	22 814	102 081	84 667	195 484	7 565
3399	Other miscellaneous manufacturing	1	53	8	1 565	43 762	1 087	2 120	20 418	93 031	79 816	171 729	11 248
33995	Sign manufacturing	—	24	4	1 257	34 238	861	1 703	15 997	74 279	67 779	141 986	10 877
339950	Sign manufacturing	—	24	4	1 257	34 238	861	1 703	15 997	74 279	67 779	141 986	10 877
HARTFORD													
31-33	Manufacturing	1	1 485	513	61 223	2 972 147	35 345	73 234	1 400 323	6 460 588	4 509 819	11 086 693	419 975
311	Food manufacturing	3	74	21	1 898	58 080	1 115	2 204	29 923	232 257	239 076	472 527	9 571
3115	Dairy product manufacturing	—	5	3	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	7	44	7	f	D	D	D	D	D	D	D	1 347
31181	Bread and bakery product manufacturing	7	43	7	f	D	D	D	D	D	D	D	D
321	Wood product manufacturing	1	24	4	f	D	D	D	D	D	D	D	D
322	Paper manufacturing	2	16	11	1 416	68 360	921	1 919	38 125	163 594	170 266	328 209	D
3221	Pulp, paper, and paperboard mills	2	3	3	f	D	D	D	D	D	D	D	D
32212	Paper mills	2	3	3	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	2	3	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	2	13	8	f	D	D	D	D	D	D	D	D
323	Printing and related support activities	1	157	41	4 287	178 751	2 836	5 807	98 998	378 831	179 632	557 863	14 505
3231	Printing and related support activities	1	157	41	4 287	178 751	2 836	5 807	98 998	378 831	179 632	557 863	14 505
32311	Printing	1	144	37	4 122	171 774	2 720	5 578	94 726	365 674	176 744	541 816	14 183
323110	Commercial lithographic printing	1	74	25	g	D	D	D	D	D	D	D	9 770
323114	Quick printing	—	40	4	f	D	D	D	D	D	D	D	2 391
325	Chemical manufacturing	1	35	14	1 281	70 133	699	1 511	31 928	155 413	169 188	331 862	D
3259	Other chemical product and preparation manufacturing	—	9	4	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	2	53	22	1 205	39 887	923	1 921	24 009	125 764	127 338	251 940	9 541
3261	Plastics product manufacturing	2	48	21	g	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	4	26	11	649	18 296	507	1 062	11 076	43 849	32 792	76 477	1 940
326199	All other plastics product manufacturing	4	25	11	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	32	11	901	31 542	567	1 146	19 397	72 844	47 745	119 884	4 307
331	Primary metal manufacturing	1	20	11	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	493	170	13 691	573 598	9 874	20 152	358 164	1 198 906	709 404	1 906 149	54 136
3321	Forging and stamping	3	24	12	g	D	D	D	D	D	D	D	D
33211	Forging and stamping	3	24	12	g	D	D	D	D	D	D	D	D
332116	Metal stamping	4	15	7	f	D	D	D	D	D	D	D	D
3322	Cutlery and handtool manufacturing	—	22	8	1 037	46 673	828	1 695	33 486	92 810	61 877	154 104	D
33221	Cutlery and handtool manufacturing	—	22	8	1 037	46 673	828	1 695	33 486	92 810	61 877	154 104	D
332212	Hand and edge tool manufacturing	—	20	8	g	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	2	50	20	1 562	67 411	936	1 987	35 192	196 021	132 203	326 328	4 134
33231	Plate work and fabricated structural product manufacturing	4	28	13	803	36 213	506	1 063	19 770	83 748	57 366	140 724	3 172
332312	Fabricated structural metal manufacturing	4	21	10	f	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing	—	22	7	759	31 198	430	924	15 422	112 273	74 837	185 604	962

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)				
HARTFORD—Con.													
332	Fabricated metal product manufacturing—Con.												
3325	Hardware manufacturing	1	10	7	744	29 400	585	1 186	19 174	91 105	42 163	130 888	2 398
33251	Hardware manufacturing	1	10	7	744	29 400	585	1 186	19 174	91 105	42 163	130 888	2 398
332510	Hardware manufacturing	1	10	7	744	29 400	585	1 186	19 174	91 105	42 163	130 888	2 398
3326	Spring and wire product manufacturing	—	33	19	g	D	D	D	D	D	D	D	D
33261	Spring and wire product manufacturing	—	33	19	g	D	D	D	D	D	D	D	D
332612	Spring (light gauge) manufacturing	1	21	13	651	30 720	458	1 000	19 790	58 501	19 620	77 705	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	236	54	3 864	164 022	2 929	5 981	108 155	292 052	152 302	442 378	19 045
33271	Machine shops	2	168	28	2 176	92 194	1 650	3 383	61 250	153 764	75 061	227 033	11 645
332710	Machine shops	2	168	28	2 176	92 194	1 650	3 383	61 250	153 764	75 061	227 033	11 645
33272	Turned product and screw, nut, and bolt manufacturing	2	68	26	1 688	71 828	1 279	2 598	46 905	138 288	77 241	215 345	7 400
332721	Precision turned product manufacturing	2	56	19	g	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, and allied activities	1	75	29	1 678	65 225	1 230	2 574	41 737	141 159	62 469	204 674	6 461
33281	Coating, engraving, heat treating, and allied activities ..	1	75	29	1 678	65 225	1 230	2 574	41 737	141 159	62 469	204 674	6 461
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers ..	—	21	10	580	23 598	431	890	15 921	55 220	34 748	90 812	D
332813	Electroplating, plating, polishing, anodizing, and coloring	3	35	13	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	38	19	2 415	92 556	1 632	3 359	51 958	192 822	121 624	318 057	D
33291	Metal valve manufacturing	—	10	9	g	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	5	4	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	—	28	10	g	D	D	D	D	D	D	D	D
332994	Small arms manufacturing...	—	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	182	54	6 572	298 301	4 024	8 185	160 766	730 882	518 784	1 274 589	38 616
3332	Industrial machinery manufacturing	1	18	7	644	28 566	380	764	13 466	53 184	78 018	135 063	D
33329	Other industrial machinery manufacturing	1	15	5	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	5	4	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	1	5	4	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery manufacturing	1	96	21	2 060	86 784	1 189	2 369	46 592	187 728	151 084	348 965	D
33351	Metalworking machinery manufacturing	1	96	21	2 060	86 784	1 189	2 369	46 592	187 728	151 084	348 965	D
333512	Machine tool (metal cutting types) manufacturing	—	8	2	f	D	D	D	D	D	D	D	D
333515	Cutting tool and machine tool accessory manufacturing...	1	36	8	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, and power transmission equipment manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	—	15	8	g	D	D	D	D	D	D	D	D
333618	Other engine equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3339	Other general purpose machinery manufacturing	1	38	11	1 066	47 623	630	1 291	22 558	128 674	87 473	220 392	D
33399	All other general purpose machinery manufacturing	—	32	10	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general purpose machinery manufacturing	—	17	4	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)
HARTFORD—Con.													
334	Computer and electronic product manufacturing	—	67	30	2 439	111 836	1 226	2 460	39 062	210 235	145 074	360 028	6 739
3342	Communications equipment manufacturing	1	10	6	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	1	19	7	597	22 215	478	935	12 300	40 835	22 658	62 840	D
33441	Semiconductor and other electronic component manufacturing	1	19	7	597	22 215	478	935	12 300	40 835	22 658	62 840	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	29	13	995	50 181	496	1 028	18 261	90 471	88 344	182 885	2 757
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	29	13	995	50 181	496	1 028	18 261	90 471	88 344	182 885	2 757
335	Electrical equipment, appliance, and component manufacturing	4	39	15	2 795	149 039	1 494	3 200	61 849	347 331	200 488	543 442	16 547
3353	Electrical equipment manufacturing	7	19	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment manufacturing	7	19	5	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	3	15	9	g	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	9	8	4	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing	9	7	4	794	44 815	404	837	17 839	92 763	58 164	148 207	D
336	Transportation equipment manufacturing	—	76	46	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	4	11	5	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	61	41	j	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	61	41	j	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	39	29	j	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	—	18	10	i	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	1	75	20	1 566	57 083	1 136	2 358	34 933	116 280	85 651	201 552	6 736
3371	Household and institutional furniture and kitchen cabinet manufacturing	1	46	7	536	16 940	421	856	12 390	39 284	26 093	65 239	D
3372	Office furniture (including fixtures) manufacturing	1	24	11	794	29 955	546	1 138	16 560	55 368	38 868	94 162	D
33721	Office furniture (including fixtures) manufacturing	1	24	11	794	29 955	546	1 138	16 560	55 368	38 868	94 162	D
339	Miscellaneous manufacturing	—	110	33	2 994	121 580	1 770	3 576	55 780	454 675	292 856	737 837	26 997
3391	Medical equipment and supplies manufacturing	2	43	13	1 150	52 874	746	1 633	25 837	114 243	33 104	149 843	7 345
33911	Medical equipment and supplies manufacturing	2	43	13	1 150	52 874	746	1 633	25 837	114 243	33 104	149 843	7 345
339112	Surgical and medical instrument manufacturing	2	6	3	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	—	67	20	1 844	68 706	1 024	1 943	29 943	340 432	259 752	587 994	19 652
33993	Doll, toy, and game manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	—	4	3	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	E1	All establishments 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)				
LITCHFIELD													
31-33	Manufacturing	1	422	127	14 173	523 786	9 732	18 288	319 013	1 567 864	1 141 888	2 712 126	79 131
311	Food manufacturing	5	21	4	859	29 123	636	943	16 943	90 360	91 352	170 420	D
3119	Other food manufacturing	5	5	2	f	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	—	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
323	Printing and related support activities	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
3231	Printing and related support activities	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
32311	Printing	8	25	5	575	18 114	359	716	8 944	46 546	26 530	73 025	2 535
326	Plastics and rubber products manufacturing	—	19	9	1 089	33 724	877	1 794	21 028	82 305	77 237	160 103	17 220
3261	Plastics product manufacturing ..	—	19	9	1 089	33 724	877	1 794	21 028	82 305	77 237	160 103	17 220
32619	Other plastics product manufacturing	—	14	5	923	28 782	756	1 566	18 777	70 615	69 301	141 395	16 450
326199	All other plastics product manufacturing	—	14	5	923	28 782	756	1 566	18 777	70 615	69 301	141 395	16 450
332	Fabricated metal product manufacturing	2	133	44	4 469	161 447	2 903	5 691	101 303	326 274	285 652	612 598	16 029
3321	Forging and stamping.....	1	23	8	1 072	48 822	847	1 696	34 998	88 874	91 929	181 435	7 541
33211	Forging and stamping.....	1	23	8	1 072	48 822	847	1 696	34 998	88 874	91 929	181 435	7 541
332116	Metal stamping	2	20	6	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	5	66	17	1 648	49 766	666	1 276	23 110	82 418	109 686	192 426	3 745
33271	Machine shops	7	44	8	1 177	33 169	309	634	11 715	49 340	95 603	145 271	2 730
332710	Machine shops	7	44	8	1 177	33 169	309	634	11 715	49 340	95 603	145 271	2 730
3328	Coating, engraving, heat treating, and allied activities	—	10	6	661	22 609	528	1 050	14 909	49 039	25 278	74 362	D
33281	Coating, engraving, heat treating, and allied activities ..	—	10	6	661	22 609	528	1 050	14 909	49 039	25 278	74 362	D
332813	Electroplating, plating, polishing, anodizing, and coloring	—	6	5	622	21 536	502	1 006	14 210	46 975	24 698	71 718	1 187
3329	Other fabricated metal product manufacturing	2	14	6	f	D	D	D	D	D	D	D	1 781
33299	All other fabricated metal product manufacturing	2	13	6	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	2	60	14	871	35 021	515	920	17 529	86 759	54 972	139 328	3 396
334	Computer and electronic product manufacturing	—	19	9	823	34 764	398	626	12 407	67 896	47 594	117 019	1 769
335	Electrical equipment, appliance, and component manufacturing.....	1	14	8	1 100	34 317	668	927	13 779	86 800	54 608	148 310	3 280
3359	Other electrical equipment and component manufacturing.....	1	8	4	654	22 231	304	530	6 375	67 978	42 345	117 606	2 739
33593	Wiring device manufacturing... ..	—	7	3	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing.....	—	5	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	10	4	866	26 762	682	1 180	18 825	72 962	43 474	119 889	D
3363	Motor vehicle parts manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D

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)				
LITCHFIELD—Con.													
339	Miscellaneous manufacturing	1	36	11	1 484	55 617	1 121	2 362	40 096	280 578	85 192	366 811	5 748
3391	Medical equipment and supplies manufacturing	—	9	3	f	D	D	D	D	D	D	D	4 874
33911	Medical equipment and supplies manufacturing	—	9	3	f	D	D	D	D	D	D	D	4 874
339112	Surgical and medical instrument manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	4	27	8	f	D	D	D	D	D	D	D	874
MIDDLESEX													
31-33	Manufacturing	—	297	89	11 794	555 485	7 978	15 930	318 189	1 313 457	1 086 892	2 459 694	66 459
325	Chemical manufacturing	—	10	4	561	27 568	380	776	16 561	196 094	79 577	275 770	D
326	Plastics and rubber products manufacturing	—	14	8	738	24 672	610	1 228	18 656	52 031	35 915	87 437	2 281
3261	Plastics product manufacturing	—	14	8	738	24 672	610	1 228	18 656	52 031	35 915	87 437	2 281
332	Fabricated metal product manufacturing	1	79	26	2 361	104 040	1 699	3 566	64 427	195 132	131 799	325 820	9 896
3321	Forging and stamping	2	9	7	f	D	D	D	D	D	D	D	D
33211	Forging and stamping	2	9	7	f	D	D	D	D	D	D	D	D
332116	Metal stamping	—	8	6	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	37	11	1 274	67 475	656	1 234	29 815	161 877	64 075	224 099	6 179
3333	Commercial and service industry machinery manufacturing	—	10	4	626	35 965	242	458	11 876	95 648	20 447	112 506	D
33331	Commercial and service industry machinery manufacturing	—	10	4	626	35 965	242	458	11 876	95 648	20 447	112 506	D
334	Computer and electronic product manufacturing	1	21	8	844	41 328	468	898	16 678	87 940	88 106	171 848	D
336	Transportation equipment manufacturing	—	10	5	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	3	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	3	3	h	D	D	D	D	D	D	D	D
NEW HAVEN													
31-33	Manufacturing	2	1 455	442	48 872	2 074 660	29 676	60 609	1 024 098	5 367 899	4 105 252	9 632 100	306 034
311	Food manufacturing	4	93	25	3 092	97 109	2 045	4 112	61 196	302 722	268 059	572 050	14 056
3113	Sugar and confectionery product manufacturing	—	6	4	f	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing	5	54	9	g	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	7	52	7	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	9	12	3	840	23 656	434	1 011	11 750	42 260	23 712	65 984	D
322	Paper manufacturing	2	34	20	g	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing	3	32	19	g	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing	3	15	9	f	D	D	D	D	D	D	D	3 431
323	Printing and related support activities	2	148	26	2 250	95 772	1 756	3 667	67 692	175 127	118 529	312 991	7 874
3231	Printing and related support activities	2	148	26	2 250	95 772	1 756	3 667	67 692	175 127	118 529	312 991	7 874
32311	Printing	2	133	22	2 075	85 729	1 637	3 427	62 197	158 673	112 874	290 948	D
323110	Commercial lithographic printing	2	57	11	1 252	51 529	992	2 112	37 516	92 477	79 332	191 885	3 516

See footnotes at end of table.

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW HAVEN—Con.													
325	Chemical manufacturing	-	43	17	5 356	206 454	1 052	2 036	43 708	1 063 596	474 450	1 554 213	60 513
3254	Pharmaceutical and medicine manufacturing	-	5	2	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	-	5	2	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	5	2	h	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	3	56	20	1 813	61 782	1 368	2 667	37 322	130 595	111 321	241 315	6 000
3261	Plastics product manufacturing ..	3	46	18	g	D	D	D	D	D	D	D	5 294
32619	Other plastics product manufacturing	4	31	11	1 007	33 374	777	1 429	20 573	81 322	57 999	139 196	3 309
326199	All other plastics product manufacturing	4	30	11	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing	1	33	14	956	45 254	621	1 279	24 444	122 999	66 312	188 563	3 800
331	Primary metal manufacturing	1	39	19	2 200	107 409	1 530	3 334	68 865	257 550	348 795	596 623	9 313
3314	Nonferrous metal (except aluminum) production and processing	1	22	12	1 379	65 188	993	2 134	44 766	174 219	195 973	361 317	D
33142	Copper rolling, drawing, extruding, and alloying	2	9	7	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, and extruding	2	7	6	f	D	D	D	D	D	D	D	D
33149	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	1	10	5	533	24 245	369	755	14 881	95 424	74 411	161 475	D
332	Fabricated metal product manufacturing	1	385	96	9 303	405 009	6 915	14 334	253 890	983 102	499 465	1 463 821	62 746
3321	Forging and stamping	1	38	20	1 337	63 510	1 039	2 205	42 763	117 293	115 250	231 274	5 158
33211	Forging and stamping	1	38	20	1 337	63 510	1 039	2 205	42 763	117 293	115 250	231 274	5 158
332116	Metal stamping	1	31	16	1 067	52 928	832	1 797	35 623	97 352	89 901	186 915	D
3322	Cutlery and handtool manufacturing	-	8	3	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	-	8	3	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ..	-	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural and structural metals manufacturing	4	59	9	816	30 297	549	1 059	16 007	57 766	29 261	86 109	7 117
33232	Ornamental and architectural metal products manufacturing	3	46	8	716	26 527	476	918	13 643	49 458	24 642	73 615	6 864
3325	Hardware manufacturing	-	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
33251	Hardware manufacturing	-	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
332510	Hardware manufacturing	-	11	5	1 121	45 421	798	1 680	27 735	133 555	85 818	218 293	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	181	31	2 767	108 791	2 142	4 161	73 976	213 249	72 076	281 331	13 529
33271	Machine shops	5	116	10	1 259	52 685	928	1 831	34 353	91 301	37 739	128 054	7 448
332710	Machine shops	5	116	10	1 259	52 685	928	1 831	34 353	91 301	37 739	128 054	7 448
33272	Turned product and screw, nut, and bolt manufacturing	-	65	21	1 508	56 106	1 214	2 330	39 623	121 948	34 337	153 277	6 081
332721	Precision turned product manufacturing	1	54	19	1 237	44 153	1 012	1 901	32 167	96 826	27 047	122 423	4 776
3328	Coating, engraving, heat treating, and allied activities	-	35	13	1 026	38 953	788	1 595	24 540	79 458	44 513	122 234	3 652
33281	Coating, engraving, heat treating, and allied activities ..	-	35	13	1 026	38 953	788	1 595	24 540	79 458	44 513	122 234	3 652
332813	Electroplating, plating, polishing, anodizing, and coloring	-	19	8	527	18 273	418	769	11 874	34 774	22 872	57 950	D
3329	Other fabricated metal product manufacturing	-	34	8	1 200	49 716	884	1 886	30 856	123 023	81 379	202 869	3 950
33299	All other fabricated metal product manufacturing	-	28	6	g	D	D	D	D	D	D	D	D
332994	Small arms manufacturing	-	6	4	816	34 546	618	1 349	22 379	89 922	52 713	141 052	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)				
NEW HAVEN—Con.													
333	Machinery manufacturing	2	147	41	3 114	143 421	1 624	3 126	51 247	258 844	150 365	406 825	13 236
3335	Metalworking machinery manufacturing	3	71	14	f	D	D	D	D	D	D	D	4 139
33351	Metalworking machinery manufacturing	3	71	14	f	D	D	D	D	D	D	D	4 139
3339	Other general purpose machinery manufacturing	—	33	9	1 184	62 399	382	721	11 264	102 108	56 555	156 833	6 257
33399	All other general purpose machinery manufacturing	—	27	8	1 095	58 041	330	623	9 258	90 932	51 176	140 414	6 009
333999	All other miscellaneous general purpose machinery manufacturing	—	19	5	899	48 215	239	441	5 978	68 219	39 491	104 902	5 041
334	Computer and electronic product manufacturing	3	110	44	5 598	270 918	2 785	5 500	88 030	731 737	431 642	1 160 834	21 119
3342	Communications equipment manufacturing	2	14	8	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus manufacturing	5	7	4	549	28 960	170	266	6 685	68 861	55 374	124 646	2 401
334210	Telephone apparatus manufacturing	5	7	4	549	28 960	170	266	6 685	68 861	55 374	124 646	2 401
33429	Other communications equipment manufacturing	—	3	2	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	3	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	2	44	18	1 454	62 161	1 053	2 132	35 667	133 011	99 315	236 360	6 369
33441	Semiconductor and other electronic component manufacturing	2	44	18	1 454	62 161	1 053	2 132	35 667	133 011	99 315	236 360	6 369
334412	Bare printed circuit board manufacturing	—	8	4	507	23 054	407	848	17 776	39 211	39 183	80 657	D
334419	Other electronic component manufacturing	2	16	7	515	21 652	337	643	9 318	57 623	37 347	96 281	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	4	46	16	2 394	125 182	1 067	2 034	31 504	312 682	129 582	420 581	7 539
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	4	46	16	2 394	125 182	1 067	2 034	31 504	312 682	129 582	420 581	7 539
334510	Electromedical and electrotherapeutic apparatus manufacturing...	9	8	3	910	51 115	400	816	11 721	130 863	55 520	189 696	D
334519	Other measuring and controlling device manufacturing	—	9	4	703	40 207	248	407	6 764	89 940	32 217	112 799	D
335	Electrical equipment, appliance, and component manufacturing	1	49	25	2 507	101 681	1 627	3 409	44 463	204 521	174 918	387 972	26 177
3351	Electric lighting equipment manufacturing	—	9	6	792	31 465	594	1 322	13 928	75 465	35 192	109 965	D
33511	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
335110	Electric lamp bulb and part manufacturing	—	3	3	537	21 658	440	995	10 532	49 595	22 746	71 655	1 230
3353	Electrical equipment manufacturing	3	16	7	509	20 182	303	591	8 265	21 969	31 740	61 924	D
33531	Electrical equipment manufacturing	3	16	7	509	20 182	303	591	8 265	21 969	31 740	61 924	D
3359	Other electrical equipment and component manufacturing	—	24	12	1 206	50 034	730	1 496	22 270	107 087	107 986	216 083	D
33592	Communication and energy wire and cable manufacturing .	—	9	5	822	34 086	492	1 027	15 247	69 885	86 258	157 033	D
335929	Other communication and energy wire manufacturing .	—	9	5	822	34 086	492	1 027	15 247	69 885	86 258	157 033	D
336	Transportation equipment manufacturing	—	44	27	h	D	D	D	D	D	D	D	29 106
3363	Motor vehicle parts manufacturing	—	24	16	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical and electronic equipment manufacturing	—	4	3	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)				
NEW HAVEN—Con.													
336	Transportation equipment manufacturing—Con.												
3364	Aerospace product and parts manufacturing	-	15	9	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	15	9	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	8	4	g	D	D	D	D	D	D	D	D
337	Furniture and related product manufacturing	2	63	11	f	D	D	D	D	D	D	D	5 669
3371	Household and institutional furniture and kitchen cabinet manufacturing	2	43	6	f	D	D	D	D	D	D	D	5 258
339	Miscellaneous manufacturing	4	117	36	5 114	226 186	3 119	6 318	97 157	403 557	606 300	1 119 826	35 922
3391	Medical equipment and supplies manufacturing	2	48	20	2 923	127 247	1 676	3 513	49 517	199 897	303 195	611 049	18 592
33911	Medical equipment and supplies manufacturing	2	48	20	2 923	127 247	1 676	3 513	49 517	199 897	303 195	611 049	18 592
339112	Surgical and medical instrument manufacturing ..	-	14	7	2 088	96 480	1 114	2 454	33 809	125 142	239 379	473 485	D
3399	Other miscellaneous manufacturing	8	69	16	2 191	98 939	1 443	2 805	47 640	203 660	303 105	508 777	17 330
33994	Office supplies (except paper) manufacturing	9	6	1	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous manufacturing	1	34	10	g	D	D	D	D	D	D	D	D
NEW LONDON													
31-33	Manufacturing	-	209	56	13 308	690 542	6 000	12 526	224 407	2 226 256	854 978	3 089 796	98 412
322	Paper manufacturing	-	6	6	735	35 521	548	1 221	23 145	139 735	133 930	273 639	7 117
325	Chemical manufacturing	-	9	5	862	53 056	521	1 059	30 960	126 745	225 492	352 259	D
3254	Pharmaceutical and medicine manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	14	2	638	27 755	334	582	13 807	38 236	69 461	113 137	2 270
3332	Industrial machinery manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	3	i	D	D	D	D	D	D	D	D
3366	Ship and boat building	-	4	2	i	D	D	D	D	D	D	D	D
33661	Ship and boat building	-	4	2	i	D	D	D	D	D	D	D	D
336611	Ship building and repairing ..	-	4	2	i	D	D	D	D	D	D	D	D
TOLLAND													
31-33	Manufacturing	1	155	37	4 122	168 492	2 612	5 499	79 760	409 318	299 753	709 932	26 366
333	Machinery manufacturing	-	18	3	774	36 175	328	734	11 805	83 924	53 122	135 071	6 003
334	Computer and electronic product manufacturing	-	10	5	679	24 135	546	1 246	16 283	63 661	53 335	115 955	D
3344	Semiconductor and other electronic component manufacturing	-	6	5	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	6	5	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

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)
WINDHAM													
31-33	Manufacturing	1	197	73	7 250	259 088	5 199	9 878	146 686	869 439	547 561	1 434 845	31 843
311	Food manufacturing	—	8	5	g	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics and rubber products manufacturing	4	18	12	951	39 022	679	1 438	21 982	126 543	66 664	192 784	3 353
3261	Plastics product manufacturing ..	5	11	8	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	10	6	851	31 675	581	1 155	15 954	83 018	86 335	171 043	D
3359	Other electrical equipment and component manufacturing	—	5	4	f	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 ..	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	1	7	3	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	1	12	4	517	15 069	410	838	9 378	27 734	18 034	45 381	5 703
3399	Other miscellaneous manufacturing	—	10	4	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)				
MILFORD (CC)													
31-33	Manufacturing	5	198	44	5 190	269 386	3 360	6 932	131 691	699 654	503 022	1 193 830	48 554
332	Fabricated metal product manufacturing	1	71	13	1 604	94 693	1 165	2 574	56 267	304 685	79 432	375 110	23 042
3322	Cutlery and handtool manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ...	-	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	39	7	753	32 509	604	1 182	22 458	64 229	18 194	81 846	D
334	Computer and electronic product manufacturing	8	17	6	992	48 108	517	1 057	13 445	115 871	54 505	173 324	3 270
3345	Navigational, measuring, electromedical, and control instruments manufacturing	9	7	3	769	40 982	350	704	9 996	101 234	44 203	148 484	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	9	7	3	769	40 982	350	704	9 996	101 234	44 203	148 484	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	9	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	9	16	4	g	D	D	D	D	D	D	D	16 113
3399	Other miscellaneous manufacturing	9	7	2	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
ANSONIA													
31-33	Manufacturing	4	16	6	711	26 067	478	907	14 063	47 030	37 654	86 790	702
AVON													
31-33	Manufacturing	4	21	9	946	29 246	639	1 160	17 838	81 320	31 105	110 357	5 370
BERLIN													
31-33	Manufacturing	1	81	36	2 625	106 751	2 021	4 477	71 082	268 909	199 595	467 256	9 467
332	Fabricated metal product manufacturing	1	37	13	1 115	43 777	927	1 982	32 655	119 662	56 986	173 340	2 630
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	1	25	9	569	22 521	477	1 063	16 948	45 326	25 949	70 359	1 093
BETHEL													
31-33	Manufacturing	1	55	16	1 548	78 227	890	1 838	33 936	146 447	135 617	284 684	5 219
BLOOMFIELD													
31-33	Manufacturing	2	79	34	3 978	184 697	2 367	4 735	89 953	396 174	245 753	667 731	12 311
332	Fabricated metal product manufacturing	4	19	9	545	22 946	374	707	12 337	43 497	30 924	74 300	1 666
333	Machinery manufacturing	-	11	4	1 000	48 727	626	1 307	25 547	147 038	55 978	201 337	3 821
3336	Engine, turbine, and power transmission equipment manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, and power transmission equipment manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	8	6	988	55 782	534	974	23 416	65 520	53 533	146 923	2 814
3364	Aerospace product and parts manufacturing	-	8	6	988	55 782	534	974	23 416	65 520	53 533	146 923	2 814
33641	Aerospace product and parts manufacturing	-	8	6	988	55 782	534	974	23 416	65 520	53 533	146 923	2 814
336413	Other aircraft parts and auxiliary equipment manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
BRANFORD													
31-33	Manufacturing	2	74	23	1 993	80 966	1 327	2 638	41 493	182 101	136 575	323 790	7 948

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)				
BRIDGEPORT													
31-33	Manufacturing	4	220	62	5 991	233 085	4 149	8 214	130 859	516 939	342 694	856 098	19 611
332	Fabricated metal product manufacturing	2	48	10	783	26 925	597	1 126	15 884	59 297	39 173	100 744	1 531
333	Machinery manufacturing	6	23	8	804	36 640	428	889	20 614	55 998	28 284	85 942	1 750
3335	Metalworking machinery manufacturing	6	20	6	750	34 378	413	858	20 211	49 766	25 081	77 172	D
33351	Metalworking machinery manufacturing	6	20	6	750	34 378	413	858	20 211	49 766	25 081	77 172	D
335	Electrical equipment, appliance, and component manufacturing	3	12	5	697	19 499	555	1 103	13 797	77 083	56 599	132 557	4 399
336	Transportation equipment manufacturing	7	4	3	f	D	D	D	D	D	D	D	3 737
3364	Aerospace product and parts manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	5	20	3	944	34 090	667	1 254	17 443	74 272	36 957	111 122	2 760
BRISTOL													
31-33	Manufacturing	1	165	56	3 711	159 377	2 647	5 243	99 060	322 960	206 349	526 708	12 368
332	Fabricated metal product manufacturing	1	77	26	1 926	86 792	1 420	2 792	57 841	153 780	85 173	238 030	5 903
3327	Machine shops: turned product; and screw, nut, and bolt manufacturing	2	37	8	631	26 619	450	928	16 812	40 943	23 050	63 990	1 965
BROOKFIELD													
31-33	Manufacturing	2	41	12	1 259	67 503	646	1 407	24 759	139 054	139 262	289 627	25 915
334	Computer and electronic product manufacturing	1	13	5	576	35 163	245	611	11 431	72 279	38 180	110 055	D
CHESHIRE													
31-33	Manufacturing	1	67	21	1 531	60 341	942	1 768	27 878	128 466	95 534	216 882	4 738
334	Computer and electronic product manufacturing	3	7	4	505	22 609	278	552	8 792	63 201	30 417	78 190	1 139
CLINTON													
31-33	Manufacturing	-	26	6	707	32 356	527	1 074	21 288	197 884	104 900	303 113	6 246
DANBURY													
31-33	Manufacturing	1	108	49	6 553	305 780	3 576	7 310	127 279	854 073	613 615	1 467 131	25 192
326	Plastics and rubber products manufacturing	-	7	5	f	D	D	D	D	D	D	D	1 612
3261	Plastics product manufacturing ..	1	6	4	f	D	D	D	D	D	D	D	D
32619	Other plastics product manufacturing	-	5	4	619	17 491	489	943	10 650	25 741	32 934	59 921	D
326199	All other plastics product manufacturing	-	5	4	619	17 491	489	943	10 650	25 741	32 934	59 921	D
332	Fabricated metal product manufacturing	4	18	6	1 066	47 924	788	1 650	28 025	122 522	68 276	191 548	5 750
3329	Other fabricated metal product manufacturing	4	4	3	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product manufacturing	9	2	1	f	D	D	D	D	D	D	D	D
332991	Ball and roller bearing manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	13	7	769	35 663	273	556	11 035	147 671	74 742	219 094	5 626
334	Computer and electronic product manufacturing	-	19	12	1 951	114 415	747	1 456	34 710	238 472	161 266	399 698	4 839
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	6	6	1 456	94 025	469	924	25 907	200 917	123 437	324 455	3 072
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	6	6	1 456	94 025	469	924	25 907	200 917	123 437	324 455	3 072
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	-	1	1	f	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
EAST HARTFORD													
31-33	Manufacturing	-	62	16	10 514	717 178	3 549	8 154	214 997	666 838	1 040 846	1 809 987	D
336	Transportation equipment manufacturing	-	6	3	i	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	4	3	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	4	3	i	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	-	1	1	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	-	2	1	i	D	D	D	D	D	D	D	D
EAST HAVEN													
31-33	Manufacturing	4	33	8	500	21 731	311	648	9 654	55 956	104 352	161 510	2 483
ENFIELD													
31-33	Manufacturing	-	52	18	2 302	93 396	1 273	2 634	41 443	453 989	342 644	784 610	25 783
339	Miscellaneous manufacturing	-	6	2	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing	-	4	1	f	D	D	D	D	D	D	D	D
33993	Doll, toy, and game manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
339932	Game, toy, and children's vehicle manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
FAIRFIELD													
31-33	Manufacturing	2	41	11	1 128	46 049	680	1 118	23 792	83 387	78 276	162 523	D
FARMINGTON													
31-33	Manufacturing	1	42	27	3 048	127 607	1 821	3 578	66 492	361 328	296 323	669 179	17 955
332	Fabricated metal product manufacturing	-	12	9	1 216	55 583	781	1 653	29 910	152 827	87 046	238 120	2 520
333	Machinery manufacturing	-	7	6	1 184	43 246	622	1 249	22 151	161 625	160 404	335 257	13 433
3335	Metalworking machinery manufacturing	-	3	3	f	D	D	D	D	D	D	D	D
33351	Metalworking machinery manufacturing	-	3	3	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
GLASTONBURY													
31-33	Manufacturing	4	53	13	1 001	43 647	661	1 392	23 239	87 546	65 468	153 796	2 802
GREENWICH													
31-33	Manufacturing	1	54	10	1 722	64 980	966	1 997	30 975	427 111	119 633	546 340	2 840
311	Food manufacturing	-	9	1	f	D	D	D	D	D	D	D	332
3118	Bakeries and tortilla manufacturing	-	7	1	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	-	6	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	2	1	f	D	D	D	D	D	D	D	D
GROTON CITY													
31-33	Manufacturing	-	5	2	i	D	D	D	D	D	D	D	D
325	Chemical manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	1	1	i	D	D	D	D	D	D	D	D
3366	Ship and boat building	-	1	1	i	D	D	D	D	D	D	D	D
33661	Ship and boat building	-	1	1	i	D	D	D	D	D	D	D	D
336611	Ship building and repairing	-	1	1	i	D	D	D	D	D	D	D	D
GUILFORD													
31-33	Manufacturing	1	31	11	816	34 884	564	1 188	20 999	96 905	85 496	180 176	3 912

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)				
HAMDEN													
31-33	Manufacturing	4	91	28	2 297	81 216	1 409	2 981	40 638	164 649	129 576	290 947	8 446
311	Food manufacturing	9	10	1	791	22 095	409	939	10 636	40 938	24 911	65 957	1 327
3118	Bakeries and tortilla manufacturing	9	6	1	f	D	D	D	D	D	D	D	D
31181	Bread and bakery product manufacturing	9	6	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	9	1	1	f	D	D	D	D	D	D	D	D
HARTFORD													
31-33	Manufacturing	5	94	30	1 646	52 863	1 080	2 004	28 394	122 582	104 763	228 279	7 776
KILLINGLY (BALANCE)													
31-33	Manufacturing	—	29	18	1 983	68 285	1 425	2 545	39 683	386 342	191 227	577 845	12 888
311	Food manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
31191	Snack food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
MANCHESTER													
31-33	Manufacturing	1	'92	30	'3 075	'143 656	'1 909	'4 173	'72 453	'300 437	'238 119	'535 232	'9 186
323	Printing and related support activities	—	16	3	885	36 668	638	1 470	24 702	83 229	37 851	120 692	1 889
3231	Printing and related support activities	—	16	3	885	36 668	638	1 470	24 702	83 229	37 851	120 692	1 889
32311	Printing	—	15	3	f	D	D	D	D	D	D	D	1 889
323110	Commercial lithographic printing	—	5	2	679	29 097	501	1 164	20 121	63 214	33 307	96 049	1 394
333	Machinery manufacturing	—	8	3	542	28 722	305	653	13 843	55 409	72 596	128 879	2 715
MERIDEN													
31-33	Manufacturing	1	84	28	4 087	172 867	2 257	4 499	66 131	325 710	297 260	628 430	36 108
332	Fabricated metal product manufacturing	1	20	7	544	22 592	341	674	11 187	34 762	14 427	48 756	1 072
333	Machinery manufacturing	—	7	2	503	29 454	133	288	4 157	25 352	10 714	35 647	D
334	Computer and electronic product manufacturing	—	7	4	840	41 795	243	351	5 718	81 863	37 748	125 813	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, and component manufacturing	—	5	3	561	20 218	334	662	7 725	51 170	48 510	100 213	D
3359	Other electrical equipment and component manufacturing	—	4	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	—	2	2	f	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine and engine parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine and engine parts manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
MIDDLETOWN													
31-33	Manufacturing	—	67	23	4 670	265 813	2 866	6 194	147 691	563 336	588 084	1 209 014	39 423
332	Fabricated metal product manufacturing	3	22	9	576	22 987	435	895	15 221	44 385	25 120	68 387	2 924
334	Computer and electronic product manufacturing	—	5	4	501	26 283	278	533	9 729	52 400	42 783	87 382	D
336	Transportation equipment manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	1	1	h	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	1	1	h	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
MILFORD													
31-33	Manufacturing	5	198	44	5 190	269 386	3 360	6 932	131 691	699 654	503 022	1 193 830	48 554
332	Fabricated metal product manufacturing	1	71	13	1 604	94 693	1 165	2 574	56 267	304 685	79 432	375 110	23 042
3322	Cutlery and handtool manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33221	Cutlery and handtool manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
332211	Cutlery and flatware (except precious) manufacturing ...	—	1	1	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	3	39	7	753	32 509	604	1 182	22 458	64 229	18 194	81 846	D
334	Computer and electronic product manufacturing	8	17	6	992	48 108	517	1 057	13 445	115 871	54 505	173 324	3 270
3345	Navigational, measuring, electromedical, and control instruments manufacturing	9	7	3	769	40 982	350	704	9 996	101 234	44 203	148 484	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	9	7	3	769	40 982	350	704	9 996	101 234	44 203	148 484	D
334510	Electromedical and electrotherapeutic apparatus manufacturing ...	9	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	9	16	4	g	D	D	D	D	D	D	D	16 113
3399	Other miscellaneous manufacturing	9	7	2	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
339941	Pen and mechanical pencil manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
MONROE													
31-33	Manufacturing	1	28	13	910	36 209	590	1 188	17 219	63 289	40 998	100 336	2 663
NAUGATUCK													
31-33	Manufacturing	2	57	24	2 183	84 900	1 548	3 115	51 702	283 050	160 548	445 351	10 321
NEW BRITAIN													
31-33	Manufacturing	—	123	41	3 603	137 128	2 603	5 393	84 366	295 340	280 163	576 470	16 879
332	Fabricated metal product manufacturing	—	53	19	1 872	71 676	1 485	3 049	50 604	150 446	98 687	250 168	10 009
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	—	27	8	623	25 582	518	1 028	18 916	47 599	26 250	73 841	5 250
3329	Other fabricated metal product manufacturing	—	5	5	583	19 043	418	852	10 234	45 129	27 956	74 191	1 424
33291	Metal valve manufacturing	—	4	4	f	D	D	D	D	D	D	D	D
NEW HAVEN													
31-33	Manufacturing	1	94	32	3 253	126 626	2 303	4 844	76 474	302 766	229 809	527 009	17 749
332	Fabricated metal product manufacturing	—	14	4	1 259	51 914	914	2 003	33 227	140 611	101 565	240 041	D
3325	Hardware manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
33251	Hardware manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
332510	Hardware manufacturing	—	3	3	f	D	D	D	D	D	D	D	D
NEWINGTON													
31-33	Manufacturing	1	83	31	2 371	97 819	1 621	3 107	56 331	207 129	130 394	342 406	6 805
332	Fabricated metal product manufacturing	2	33	9	834	33 206	532	1 101	18 248	49 468	35 346	85 920	2 426

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			Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
NEW MILFORD													
31-33	Manufacturing	1	60	10	2 054	93 309	1 642	2 986	67 531	455 250	403 039	849 861	20 767
311	Food manufacturing	5	3	2	f	D	D	D	D	D	D	D	D
3119	Other food manufacturing	5	2	2	f	D	D	D	D	D	D	D	D
31194	Seasoning and dressing manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
311942	Spice and extract manufacturing	—	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
NEWTOWN													
31-33	Manufacturing	2	27	9	1 375	61 241	941	1 875	33 759	170 096	192 255	358 536	9 616
NORTH BRANFORD													
31-33	Manufacturing	—	32	4	903	39 843	434	965	12 844	213 147	118 653	329 534	5 364
334	Computer and electronic product manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
33429	Other communications equipment manufacturing	—	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment manufacturing ..	—	1	1	f	D	D	D	D	D	D	D	D
NORTH HAVEN													
31-33	Manufacturing	—	64	27	5 832	283 917	3 757	8 173	161 999	528 381	648 960	1 344 024	36 816
323	Printing and related support activities	—	12	3	703	33 158	650	1 525	30 083	56 950	49 046	125 770	1 109
3231	Printing and related support activities	—	12	3	703	33 158	650	1 525	30 083	56 950	49 046	125 770	1 109
32311	Printing	—	12	3	703	33 158	650	1 525	30 083	56 950	49 046	125 770	1 109
323110	Commercial lithographic printing	—	7	2	f	D	D	D	D	D	D	D	1 041
332	Fabricated metal product manufacturing	—	12	4	705	30 689	540	1 120	19 856	84 177	29 545	113 527	2 703
336	Transportation equipment manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
336412	Aircraft engine and engine parts manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	4	3	g	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	—	3	2	g	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument manufacturing ..	—	2	2	g	D	D	D	D	D	D	D	D
NORWALK													
31-33	Manufacturing	1	147	39	6 897	334 344	3 438	6 714	114 208	755 577	528 201	1 321 517	44 207
325	Chemical manufacturing	—	10	3	886	57 654	325	682	16 256	194 375	74 672	293 082	10 692
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	—	5	2	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	—	5	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	—	5	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)				
NORWALK—Con.													
334	Computer and electronic product manufacturing	1	15	10	3 097	172 560	1 145	1 997	41 246	204 000	223 239	431 763	12 717
3345	Navigational, measuring, electromedical, and control instruments manufacturing	—	7	4	2 369	136 197	740	1 268	28 447	148 051	166 864	318 454	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	—	7	4	2 369	136 197	740	1 268	28 447	148 051	166 864	318 454	D
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	—	2	2	g	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument manufacturing ..	—	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing	—	16	2	723	14 772	520	1 085	8 383	44 476	42 802	87 282	D
3399	Other miscellaneous manufacturing	—	7	1	f	D	D	D	D	D	D	D	D
33995	Sign manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
339950	Sign manufacturing	—	2	1	f	D	D	D	D	D	D	D	D
NORWICH													
31-33	Manufacturing	—	32	9	1 019	38 957	628	1 384	16 484	130 949	78 732	216 169	3 640
OLD SAYBROOK													
31-33	Manufacturing	2	35	8	837	26 611	633	1 085	15 854	52 896	46 482	101 515	2 058
ORANGE													
31-33	Manufacturing	1	13	10	1 021	36 937	650	1 422	15 737	92 309	55 915	148 803	7 870
PLAINFIELD													
31-33	Manufacturing	—	35	13	1 252	45 798	880	1 495	23 572	106 802	82 812	207 699	D
PLAINVILLE													
31-33	Manufacturing	3	70	18	2 024	98 832	1 298	2 702	49 834	176 257	114 537	290 006	5 124
332	Fabricated metal product manufacturing	3	31	8	543	21 304	410	865	13 439	42 858	21 984	64 749	2 164
PLYMOUTH													
31-33	Manufacturing	2	37	11	656	24 730	421	798	14 565	54 342	39 762	99 300	1 994
RIDGEFIELD													
31-33	Manufacturing	9	15	3	g	D	D	D	D	D	D	D	D
325	Chemical manufacturing	9	3	1	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
SEYMOUR													
31-33	Manufacturing	1	32	18	1 432	62 840	979	2 081	35 718	151 645	131 445	284 689	5 918
SHELTON													
31-33	Manufacturing	3	80	38	3 884	162 299	2 363	4 748	79 870	424 398	256 782	690 486	17 035
326	Plastics and rubber products manufacturing	4	6	4	580	19 573	422	889	13 681	63 081	35 623	98 671	2 137
332	Fabricated metal product manufacturing	1	19	9	607	26 003	419	887	13 555	70 481	41 742	112 726	2 198
333	Machinery manufacturing	1	9	6	722	18 584	439	752	9 984	90 347	40 903	131 252	1 892
336	Transportation equipment manufacturing	8	2	2	f	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	9	1	1	f	D	D	D	D	D	D	D	D
SIMSBURY													
31-33	Manufacturing	—	11	4	536	29 283	264	525	10 492	45 424	35 789	86 376	3 362

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)				
SOUTHINGTON													
31-33	Manufacturing	1	92	28	2 212	94 220	1 567	2 928	56 139	188 597	104 865	298 426	17 677
332	Fabricated metal product manufacturing	2	43	19	1 203	49 395	897	1 746	31 523	94 687	57 749	153 544	8 875
339	Miscellaneous manufacturing	-	7	4	502	24 662	334	541	12 789	45 616	14 183	62 929	D
SOUTH WINDSOR													
31-33	Manufacturing	3	97	31	3 359	158 605	2 074	4 160	75 913	331 378	193 327	518 901	19 392
323	Printing and related support activities	1	10	6	987	43 446	592	1 172	18 103	88 611	29 394	118 090	D
3231	Printing and related support activities	1	10	6	987	43 446	592	1 172	18 103	88 611	29 394	118 090	D
32311	Printing	1	10	6	987	43 446	592	1 172	18 103	88 611	29 394	118 090	D
323114	Quick printing	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	2	38	8	535	21 946	400	798	12 991	47 685	22 607	70 828	2 321
335	Electrical equipment, appliance, and component manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment and component manufacturing	9	3	2	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment and component manufacturing ..	9	3	2	f	D	D	D	D	D	D	D	D
STAFFORD													
31-33	Manufacturing	2	23	8	1 134	40 043	890	1 945	26 959	109 815	79 668	189 482	15 160
334	Computer and electronic product manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor and other electronic component manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor and other electronic component manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
STAMFORD													
31-33	Manufacturing	-	155	36	7 284	322 865	3 181	6 352	111 410	2 046 689	754 598	2 780 078	52 118
325	Chemical manufacturing	-	9	3	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, and toilet preparation manufacturing ..	-	4	3	f	D	D	D	D	D	D	D	D
32562	Toilet preparation manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	-	9	3	h	D	D	D	D	D	D	D	D
3333	Commercial and service industry machinery manufacturing	-	5	2	h	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	-	5	2	h	D	D	D	D	D	D	D	D
333313	Office machinery manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	2	16	5	627	31 753	275	538	7 937	71 821	63 483	130 129	2 250
STONINGTON													
31-33	Manufacturing	1	26	6	878	36 156	502	955	17 837	57 351	74 959	137 594	3 669

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)				
STRATFORD													
31-33	Manufacturing	-	99	29	10 159	533 027	5 502	7 788	196 836	1 593 081	923 421	2 423 465	100 517
326	Plastics and rubber products manufacturing	-	7	4	676	34 313	513	950	23 345	94 235	83 051	173 741	8 320
3261	Plastics product manufacturing ..	-	6	4	f	D	D	D	D	D	D	D	D
334	Computer and electronic product manufacturing	-	7	3	642	34 198	302	681	12 878	63 634	35 940	101 309	D
3345	Navigational, measuring, electromedical, and control instruments manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, electromedical, and control instruments manufacturing ...	-	3	2	f	D	D	D	D	D	D	D	D
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	-	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	3	i	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	3	2	i	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	3	2	i	D	D	D	D	D	D	D	D
336411	Aircraft manufacturing	-	2	1	i	D	D	D	D	D	D	D	D
TOLLAND													
31-33	Manufacturing	-	17	3	751	34 004	288	638	10 801	78 371	50 770	127 160	1 686
TORRINGTON													
31-33	Manufacturing	2	68	27	2 623	88 770	1 964	3 545	55 298	195 958	134 959	332 189	25 664
332	Fabricated metal product manufacturing	-	16	6	544	19 443	430	849	13 654	57 933	33 809	93 202	1 936
339	Miscellaneous manufacturing	8	7	3	541	17 466	414	888	13 006	35 012	11 449	46 960	833
TRUMBULL													
31-33	Manufacturing	4	27	8	1 125	45 603	727	1 218	20 610	114 079	99 642	214 505	6 835
VERNON													
31-33	Manufacturing	3	37	7	633	26 822	418	833	13 008	50 929	43 911	96 022	1 413
WALLINGFORD													
31-33	Manufacturing	2	122	40	3 774	183 888	2 267	4 520	84 096	436 719	392 744	831 096	17 568
331	Primary metal manufacturing	-	4	4	578	32 686	415	960	20 554	70 130	114 648	183 471	D
334	Computer and electronic product manufacturing	2	12	6	754	46 327	334	563	12 381	113 424	64 465	180 318	3 057
WATERBURY													
31-33	Manufacturing	1	201	61	4 808	194 125	3 590	7 279	127 652	406 410	375 478	773 183	24 132
331	Primary metal manufacturing	1	9	5	532	26 509	340	779	16 815	71 176	64 985	126 941	3 078
3314	Nonferrous metal (except aluminum) production and processing	1	8	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product manufacturing	1	77	24	1 855	77 902	1 450	2 859	53 739	162 559	142 559	302 870	6 492
3321	Forging and stamping.....	-	10	5	572	29 547	472	1 059	22 367	62 155	74 886	136 014	2 712
33211	Forging and stamping.....	-	10	5	572	29 547	472	1 059	22 367	62 155	74 886	136 014	2 712
332116	Metal stamping	-	8	4	f	D	D	D	D	D	D	D	D
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	2	34	9	500	19 654	403	765	14 760	33 381	19 062	52 399	1 639

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)				
WATERTOWN													
31-33	Manufacturing	-	70	30	3 557	134 781	2 495	4 615	78 302	323 610	206 942	532 506	15 503
332	Fabricated metal product manufacturing	-	32	16	1 421	60 147	1 130	2 201	43 343	121 289	95 915	216 316	8 706
3321	Forging and stamping.....	-	10	6	830	38 973	651	1 272	27 847	71 516	72 428	144 530	6 982
33211	Forging and stamping.....	-	10	6	830	38 973	651	1 272	27 847	71 516	72 428	144 530	6 982
335	Electrical equipment, appliance, and component manufacturing.....	-	2	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing.....	-	2	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing...	-	2	1	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device manufacturing.....	-	2	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts manufacturing	-	3	2	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission and power train parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission and power train parts manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
WEST HARTFORD													
31-33	Manufacturing	-	66	18	2 882	128 836	1 788	3 723	66 627	326 244	151 682	474 538	14 780
332	Fabricated metal product manufacturing	-	24	7	1 172	49 464	888	1 863	34 548	97 766	44 776	142 070	2 868
3329	Other fabricated metal product manufacturing	-	5	2	610	25 153	447	893	16 501	57 607	24 570	82 271	D
33299	All other fabricated metal product manufacturing	-	5	2	610	25 153	447	893	16 501	57 607	24 570	82 271	D
335	Electrical equipment, appliance, and component manufacturing.....	-	1	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment and component manufacturing.....	-	1	1	f	D	D	D	D	D	D	D	D
33593	Wiring device manufacturing...	-	1	1	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device manufacturing.....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	4	3	519	30 971	245	574	10 773	73 149	26 874	97 447	2 618
3364	Aerospace product and parts manufacturing	-	4	3	519	30 971	245	574	10 773	73 149	26 874	97 447	2 618
33641	Aerospace product and parts manufacturing	-	4	3	519	30 971	245	574	10 773	73 149	26 874	97 447	2 618
336412	Aircraft engine and engine parts manufacturing	-	4	3	519	30 971	245	574	10 773	73 149	26 874	97 447	2 618
WEST HAVEN													
31-33	Manufacturing	-	64	21	5 653	209 512	1 394	2 726	43 927	982 283	422 208	1 417 750	D
325	Chemical manufacturing	-	4	2	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical and medicine manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical and medicine manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation manufacturing	-	1	1	h	D	D	D	D	D	D	D	D
WILTON													
31-33	Manufacturing	9	13	2	g	D	D	D	D	D	D	D	D
333	Machinery manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
3332	Industrial machinery manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery manufacturing	9	1	1	g	D	D	D	D	D	D	D	D
333295	Semiconductor machinery manufacturing	9	1	1	g	D	D	D	D	D	D	D	D

See footnotes at end of table.

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

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

NAICS code	Geographic area and industry	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)
WINCHESTER													
31-33	Manufacturing	6	40	11	1 472	43 917	511	1 027	15 871	72 210	118 321	190 718	2 826
332	Fabricated metal product manufacturing	7	16	6	1 088	29 216	279	580	9 742	42 840	94 235	137 436	1 468
3327	Machine shops; turned product; and screw, nut, and bolt manufacturing	8	10	3	f	D	D	D	D	D	D	D	892
33271	Machine shops	8	7	2	f	D	D	D	D	D	D	D	D
332710	Machine shops	8	7	2	f	D	D	D	D	D	D	D	D
WINDHAM													
31-33	Manufacturing	-	27	7	f	D	D	D	D	D	D	D	3 176
WINDSOR													
31-33	Manufacturing	2	54	32	3 721	174 322	2 464	5 371	101 353	370 038	271 734	647 533	22 044
333	Machinery manufacturing	2	7	4	1 250	61 447	804	1 713	37 301	112 330	63 588	175 922	5 763
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
336	Transportation equipment manufacturing	2	9	7	680	31 968	463	1 047	19 554	66 065	75 348	146 264	5 965
WINDSOR LOCKS													
31-33	Manufacturing	-	22	6	h	D	D	D	D	D	D	D	D
322	Paper manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, and paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	f	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
3364	Aerospace product and parts manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
33641	Aerospace product and parts manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
336413	Other aircraft parts and auxiliary equipment manufacturing	-	2	1	h	D	D	D	D	D	D	D	D
WOLCOTT													
31-33	Manufacturing	-	30	9	674	24 173	525	969	17 530	65 711	50 289	115 503	6 041
BALANCE OF HARTFORD COUNTY													
31-33	Manufacturing	2	83	26	1 929	81 833	1 244	2 484	43 421	171 176	125 393	304 409	8 857
BALANCE OF LITCHFIELD COUNTY													
31-33	Manufacturing	2	147	38	3 811	138 279	2 699	5 317	87 446	466 494	238 865	707 552	12 377
332	Fabricated metal product manufacturing	3	32	10	985	37 008	757	1 494	24 112	73 607	48 167	121 753	2 890
339	Miscellaneous manufacturing	-	12	5	f	D	D	D	D	D	D	D	D
3391	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment and supplies manufacturing	-	3	1	f	D	D	D	D	D	D	D	D
339112	Surgical and medical instrument 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)				
BALANCE OF MIDDLESEX COUNTY													
31-33	Manufacturing	-	132	43	5 136	212 728	3 647	6 975	123 495	466 066	328 579	793 615	17 356
332	Fabricated metal product manufacturing	-	38	14	1 578	72 524	1 130	2 414	45 055	133 029	99 700	232 404	6 574
3329	Other fabricated metal product manufacturing	-	2	1	f	D	D	D	D	D	D	D	D
33291	Metal valve manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve and hose fitting manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery manufacturing	1	19	6	867	47 977	392	784	18 513	117 087	37 608	153 548	4 661
3333	Commercial and service industry machinery manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
33331	Commercial and service industry machinery manufacturing	-	5	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment manufacturing	-	6	3	f	D	D	D	D	D	D	D	1 777
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
336321	Vehicular lighting equipment manufacturing	-	1	1	f	D	D	D	D	D	D	D	D
BALANCE OF NEW HAVEN COUNTY													
31-33	Manufacturing	1	89	20	1 459	55 579	1 002	1 794	27 804	154 014	96 446	248 629	8 188
BALANCE OF NEW LONDON COUNTY													
31-33	Manufacturing	1	48	16	1 286	49 429	847	1 718	27 382	178 504	152 045	328 750	8 625
BALANCE OF TOLLAND COUNTY													
31-33	Manufacturing	2	31	8	612	24 316	440	848	12 017	77 563	33 584	111 869	1 470
BALANCE OF WINDHAM COUNTY													
31-33	Manufacturing	3	101	33	2 903	105 174	2 038	4 117	58 221	285 488	181 343	466 689	12 104

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
CONNECTICUT	
Companies ¹	N
All establishments ²	'5 384
Establishments with 1 to 19 employees	'3 699
Establishments with 20 to 99 employees	'1 275
Establishments with 100 employees or more	410
All employees ³	'214 910
Total compensation	'12 220 310
Annual payroll	'9 877 987
Total fringe benefits	'2 342 323
Production workers, average for year	'125 928
Production workers on March 12	'126 358
Production workers on May 12	'127 380
Production workers on August 12	'125 704
Production workers on November 12	'123 903
Production worker hours	'251 183
Production worker wages	'4 529 593
Total cost of materials	'17 016 025
Materials, parts, containers, packaging, etc., used	'13 830 472
Resales	1 811 398
Purchased fuels	'189 847
Purchased electricity	'394 172
Contract work	'790 136
Quantity of electricity purchased for heat and power	'5 350 781
Quantity of electricity generated less sold for heat and power	D
Total value of shipments	'45 053 345
Value of resales	2 366 684
Value added	'27 673 466
Total inventories, beginning of year	'6 459 635
Finished goods inventories	'2 653 844
Work-in-process inventories	1 882 627
Materials and supplies inventories	'1 923 164
Total inventories, end of year	'6 067 401
Finished goods inventories	'2 427 534
Work-in-process inventories	1 745 355
Materials and supplies inventories	'1 894 512
Gross value of depreciable assets (acquisition costs) at beginning of year	'19 387 226
Total capital expenditures (new and used)	'1 448 543
Buildings and other structures (new and used)	245 359
Machinery and equipment (new and used)	'1 203 184
Automobiles, trucks, etc., for highway use	'39 033
Computers and peripheral data processing equipment	'116 123
All other expenditures for machinery and equipment	'1 048 028
Total retirements	'1 160 085
Gross value of depreciable assets at end of year	'19 675 684
Depreciation charges during year	'1 188 951
Total rental payments	'531 346
Buildings and other structures	'340 841
Machinery and equipment	190 505

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

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

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

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

Appendix A.

Explanation of Terms

COMPANY

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

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

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

Establishment

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

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

PAYROLL

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

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

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

TOTAL FRINGE BENEFITS

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

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

NUMBER OF EMPLOYEES

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

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

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

Production Workers

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

All Other Employees

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

PRODUCTION-WORKER HOURS

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

COST OF MATERIALS

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

Included in this item are:

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

Specific materials consumed

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

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

QUANTITY OF ELECTRICITY PURCHASED FOR HEAT AND POWER

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

TOTAL VALUE OF SHIPMENTS

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

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

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

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

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

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

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

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

Duplication in cost of materials and value of shipment

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

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

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

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

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

Specialization and coverage ratio

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

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

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

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

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

VALUE ADDED

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

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

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

TOTAL END-OF-YEAR INVENTORIES

This item is comprised of:

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

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

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

Inventory valuations include:

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

GROSS VALUE OF DEPRECIABLE/DEPLETABLE ASSETS AT BEGINNING OF YEAR

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

Gross value of depreciable/depletable assets includes:

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

Excluded are nondepreciable capital assets including inventories and intangible assets.

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

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

CAPITAL EXPENDITURES FOR NEW AND USED PLANT AND EQUIPMENT

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

These data include expenditures for:

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

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

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

RETIREMENTS OF DEPRECIABLE ASSETS

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

RENTAL PAYMENTS

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

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

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

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

DEPRECIATION CHARGES FOR FIXED ASSETS

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

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

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

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

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

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

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

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

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

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

311 FOOD MANUFACTURING

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

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

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

3111 ANIMAL FOOD MANUFACTURING

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

31111 ANIMAL FOOD MANUFACTURING

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

311111 DOG AND CAT FOOD MANUFACTURING

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

311119 OTHER ANIMAL FOOD MANUFACTURING

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

3112 GRAIN AND OILSEED MILLING

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

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

31121 FLOUR MILLING AND MALT MANUFACTURING

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

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

311211 FLOUR MILLING

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

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

311212 RICE MILLING

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

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

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

311213 MALT MANUFACTURING

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

31122 STARCH AND VEGETABLE FATS AND OILS MANUFACTURING

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

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

311221 WET CORN MILLING

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

311222 SOYBEAN PROCESSING

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

311223 OTHER OILSEED PROCESSING

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

311225 FATS AND OILS REFINING AND BLENDING

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

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

31123 BREAKFAST CEREAL MANUFACTURING

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

311230 BREAKFAST CEREAL MANUFACTURING

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

3113 SUGAR AND CONFECTIONERY PRODUCT MANUFACTURING

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

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

31131 SUGAR MANUFACTURING

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

311311 SUGARCANE MILLS

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

311312 CANE SUGAR REFINING

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

311313 BEET SUGAR MANUFACTURING

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

31132 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS

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

311320 CHOCOLATE AND CONFECTIONERY MANUFACTURING FROM CACAO BEANS

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

31133 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE

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

311330 CONFECTIONERY MANUFACTURING FROM PURCHASED CHOCOLATE

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

31134 NONCHOCOLATE CONFECTIONERY MANUFACTURING

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

311340 NONCHOCOLATE CONFECTIONERY MANUFACTURING

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

3114 FRUIT AND VEGETABLE PRESERVING AND SPECIALTY FOOD MANUFACTURING

This industry group comprises establishments primarily engaged in the following:

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

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

31141 FROZEN FOOD MANUFACTURING

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

311411 FROZEN FRUIT, JUICE, AND VEGETABLE MANUFACTURING

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

311412 FROZEN SPECIALTY FOOD MANUFACTURING

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

31142 FRUIT AND VEGETABLE CANNING, PICKLING, AND DRYING

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

311421 FRUIT AND VEGETABLE CANNING

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

311422 SPECIALTY CANNING

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

311423 DRIED AND DEHYDRATED FOOD MANUFACTURING

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

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

3115 DAIRY PRODUCT MANUFACTURING

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

31151 DAIRY PRODUCT (EXCEPT FROZEN) MANUFACTURING

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

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

311511 FLUID MILK MANUFACTURING

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

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

311512 CREAMERY BUTTER MANUFACTURING

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

311513 CHEESE MANUFACTURING

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

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

311514 DRY, CONDENSED, AND EVAPORATED DAIRY PRODUCT MANUFACTURING

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

31152 ICE CREAM AND FROZEN DESSERT MANUFACTURING

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

311520 ICE CREAM AND FROZEN DESSERT MANUFACTURING

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

3116 ANIMAL SLAUGHTERING AND PROCESSING

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

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

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

31161 ANIMAL SLAUGHTERING AND PROCESSING

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

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

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

311611 ANIMAL (EXCEPT POULTRY) SLAUGHTERING

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

311612 MEAT PROCESSED FROM CARCASSES

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

311613 RENDERING AND MEAT BYPRODUCT PROCESSING

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

311615 POULTRY PROCESSING

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

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

3117 SEAFOOD PRODUCT PREPARATION AND PACKAGING

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

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

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

31171 SEAFOOD PRODUCT PREPARATION AND PACKAGING

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

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

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

311711 SEAFOOD CANNING

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

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

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

311712 FRESH AND FROZEN SEAFOOD PROCESSING

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

1. Eviscerating fresh fish by removing heads, fins, scales, bones, and entrails;
2. Shucking and packing fresh shellfish;

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3. Manufacturing frozen seafood; and
 4. Processing fresh and frozen marine fats and oils.

3118 Bakeries and Tortilla Manufacturing

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

1. Bread and bakery product manufacturing;
2. Cookie, cracker, and pasta manufacturing; and
3. Tortilla manufacturing.

31181 Bread and Bakery Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and other bakery products.

311811 Retail Bakeries

This U.S. industry comprises establishments primarily engaged in retailing bread and other bakery products not for immediate consumption made on the premises from flour, not from prepared dough.

311812 Commercial Bakeries

This U.S. industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and bread-type rolls and other fresh bakery (except cookies and crackers) products.

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen bakery products (except bread), such as cakes, pies, and doughnuts.

31182 Cookie, Cracker, and Pasta Manufacturing

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

1. Manufacturing cookies and crackers;
2. Preparing flour and dough mixes and dough from flour ground elsewhere; and
3. Manufacturing dry pasta.

The establishments in this industry may package the dry pasta they manufacture with other ingredients.

311821 Cookie and Cracker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

311822 Flour Mixes and Dough Manufacturing from Purchased Flour

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

311823 Dry Pasta Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

311821 COOKIE AND CRACKER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

311822 FLOUR MIXES AND DOUGH MANUFACTURING FROM PURCHASED FLOUR

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

311823 DRY PASTA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

31183 TORTILLA MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing tortillas.

311830 TORTILLA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing tortillas.

3119 OTHER FOOD MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruit, vegetable, and specialty foods; dairy products; meat products; seafood products; and bakeries and tortillas). The industry group includes industries with different productive processes, such as snack food manufacturing; coffee and tea manufacturing; concentrate, syrup, condiment, and spice manufacturing; and, in general, an entire range of other miscellaneous food product manufacturing.

31191 SNACK FOOD MANUFACTURING

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

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks;
3. Manufacturing peanut butter; and
4. Manufacturing potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

311911 ROASTED NUTS AND PEANUT BUTTER MANUFACTURING

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

1. Salting, roasting, drying, cooking, or canning nuts;
2. Processing grains or seeds into snacks; and
3. Manufacturing peanut butter.

311919 OTHER SNACK FOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing snack foods (except roasted nuts and peanut butter).

31192 COFFEE AND TEA MANUFACTURING

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

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1. Roasting coffee;
 2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
 3. Blending tea;
 4. Manufacturing herbal tea; and
 5. Manufacturing coffee extracts, flavorings, and syrups.

311920 COFFEE AND TEA MANUFACTURING

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

1. Roasting coffee;
2. Manufacturing coffee and tea concentrates (including instant and freeze-dried);
3. Blending tea;
4. Manufacturing herbal tea; and
5. Manufacturing coffee extracts, flavorings, and syrups.

31193 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

311930 FLAVORING SYRUP AND CONCENTRATE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

31194 SEASONING AND DRESSING MANUFACTURING

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

1. Manufacturing dressings and sauces, such as mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravies);
2. Manufacturing spices, table salt, seasoning, and flavoring extracts (except coffee and meat), and natural food colorings; and
3. Manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

311941 MAYONNAISE, DRESSING, AND OTHER PREPARED SAUCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravy).

311942 SPICE AND EXTRACT MANUFACTURING

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

1. Manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or
2. Manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

31199 ALL OTHER FOOD MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings; and dressings). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

311991 PERISHABLE PREPARED FOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing perishable prepared foods, such as salads, sandwiches, prepared meals, fresh pizza, fresh pasta, and peeled or cut vegetables.

311999 ALL OTHER MISCELLANEOUS FOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakery and tortillas products; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings and dressings; and perishable prepared food). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

312 BEVERAGE AND TOBACCO PRODUCT MANUFACTURING

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments:

1. Those that manufacture nonalcoholic beverages;
2. Those that manufacture alcoholic beverages through the fermentation process; and
3. Those that produce distilled alcoholic beverages.

Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed under distillery product manufacturing, but rather under the NAICS class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments:

1. Those engaged in redrying and stemming tobacco and,
2. Those that manufacture tobacco products, such as cigarettes and cigars.

3121 BEVERAGE MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing soft drinks; ice; bottled water; breweries; wineries; and/or distilleries.

31211 SOFT DRINK AND ICE MANUFACTURING

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

1. Manufacturing soft drinks;

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2. Manufacturing ice; and
 3. Purifying and bottling water.

312111 SOFT DRINK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing soft drinks and artificially carbonated waters.

312112 BOTTLED WATER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in purifying and bottling water (including naturally carbonated).

312113 ICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ice.

31212 BREWERIES

This industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

312120 BREWERIES

This U.S. industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

31213 WINERIES

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

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing wine and brandies from grapes and other fruits grown elsewhere; and
3. Blending wines and brandies.

312130 WINERIES

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

1. Growing grapes and manufacturing wine and brandies;
2. Manufacturing wine and brandies from grapes and other fruits grown elsewhere; and
3. Blending wines and brandies.

31214 DISTILLERIES

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

1. Distilling potable liquors (except brandies);
2. Distilling and blending liquors; and
3. Blending and mixing liquors and other ingredients.

312140 DISTILLERIES

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

1. Distilling potable liquors (except brandies);
2. Distilling and blending liquors; and
3. Blending and mixing liquors and other ingredients.

3122 TOBACCO MANUFACTURING

This industry group comprises establishments primarily engaged in the stemming and redrying of tobacco, and in the manufacturing of tobacco products.

31221 TOBACCO STEMMING AND REDRYING

This industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

312210 TOBACCO STEMMING AND REDRYING

This U.S. industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

31222 TOBACCO PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and reconstituted tobacco.

312221 CIGARETTE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cigarettes.

312229 OTHER TOBACCO PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing tobacco products (except cigarettes).

313 TEXTILE MILLS

Industries in the Textile Mills subsector group establishments that transform a basic fiber (natural or synthetic) into a product, such as yarn or fabric, that is further manufactured into usable items, such as apparel, sheets towels, and textile bags for individual or industrial consumption. The further manufacturing may be performed in the same establishment and classified in this subsector, or it may be performed at a separate establishment and be classified elsewhere in manufacturing.

The main processes in this subsector include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the textile. The NAICS structure follows and captures this process flow. Major industries in this flow, such as preparation of fibers, weaving of fabric, knitting of fabric, and fiber and fabric finishing, are uniquely identified. Texturizing, throwing, twisting, and winding of yarn contains aspects of both fiber preparation and fiber finishing and is classified with preparation of fibers rather than with finishing of fiber.

NAICS separates the manufacturing of primary textiles and the manufacturing of textile products (except apparel) when the textile product is produced from purchased primary textiles, such as fabric. The manufacturing of textile products (except apparel) from purchased fabric is classified in Subsector 314, Textile Product Mills, and apparel from purchased fabric is classified in Subsector 315, Apparel Manufacturing.

Excluded from this subsector are establishments that weave or knit fabric and make garments. These establishments are included in Subsector 315, Apparel Manufacturing.

3131 FIBER, YARN, AND THREAD MILLS

This NAICS Industry Group include establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

31311 FIBER, YARN, AND THREAD MILLS

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

1. spinning yarn

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2. manufacturing thread of any fiber
 3. texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments
 4. producing hemp yarn and further processing into rope or bags.

313111 YARN SPINNING MILLS

This U.S. industry comprises establishments primarily engaged in spinning yarn from any fiber and/or producing hemp yarn and further processing into rope or bags.

313112 YARN TEXTURIZING, THROWING, AND TWISTING MILLS

This U.S. industry comprises establishments primarily engaged in texturizing, throwing, twisting, spooling, or winding purchased yarns or manmade fiber filaments.

313113 THREAD MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing thread (e.g., sewing, hand-knitting, crochet) of all fibers.

3132 FABRIC MILLS

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

1. Broadwoven fabric mills;
2. Narrow fabric mills and schiffli machine embroidery;
3. Nonwoven fabric mills; and
4. Knit fabric mills.

31321 BROADWOVEN FABRIC MILLS

This industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

313210 BROADWOVEN FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

31322 NARROW FABRIC MILLS AND SCHIFFLI MACHINE EMBROIDERY

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

1. weaving or braiding narrow fabrics
2. manufacturing Schiffli machine embroideries
3. making fabric-covered elastic yarn and thread.

313221 NARROW FABRIC MILLS

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

1. weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or
2. making fabric-covered elastic yarn and thread.

Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products.

313222 SCHIFFLI MACHINE EMBROIDERY

This U.S. industry comprises establishments primarily engaged in manufacturing Schiffli machine embroideries.

31323 NONWOVEN FABRIC MILLS

This industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

313230 NONWOVEN FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

31324 KNIT FABRIC MILLS

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

1. knitting weft (i.e., circular) and warp (i.e., flat) fabric
2. knitting and finishing weft and warp fabric
3. manufacturing lace
4. manufacturing, dyeing, and finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313241 WEFT KNIT FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in knitting weft (i.e., circular) fabric or knitting and finishing weft fabric. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313249 OTHER KNIT FABRIC AND LACE MILLS

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

1. knitting warp (i.e., flat) fabric;
2. knitting and finishing warp fabric;
3. manufacturing lace; or
4. manufacturing, dyeing, or finishing lace and lace goods.

Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

3133 TEXTILE AND FABRIC FINISHING AND FABRIC COATING MILLS

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

1. Textile and fabric finishing mills and
2. Fabric coating mills.

31331 TEXTILE AND FABRIC FINISHING MILLS

This industry comprises:

1. establishments primarily engaged in finishing of textiles, fabrics, and apparel
2. establishments of converters who buy fabric goods in the grey, have them finished on contract, and sell at wholesale. Finishing operations include:

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- a. bleaching
 - b. dyeing
 - c. printing (e.g., roller, screen, flock, plisse)
 - d. stonewashing
 - e. other mechanical finishing (preshrinking, shrinking, sponging, calendering, mercerizing, and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock).

313311 BROADWOVEN FABRIC FINISHING MILLS

This U.S. industry comprises:

1. Establishments primarily engaged in finishing broadwoven fabrics
2. Establishments of converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale.

313312 TEXTILE AND FABRIC FINISHING (EXCEPT BROADWOVEN FABRIC) MILLS

This U.S. industry comprises:

1. Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven)
2. Establishments of converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

31332 FABRIC COATING MILLS

This industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

313320 FABRIC COATING MILLS

This U.S. industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

314 TEXTILE PRODUCT MILLS

Industries in the Textile Product Mills subsector group establishments that make textile products (except apparel). With a few exceptions, processes used in these industries are generally cut and sew (i.e., purchasing fabric and cutting and sewing to make nonapparel textile products, such as sheets and towels).

3141 TEXTILE FURNISHINGS MILLS

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

1. Carpet and rug mills and
2. Curtain and linen mills.

31411 CARPET AND RUG MILLS

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

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1. Manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
 2. Finishing carpets and rugs.

314110 CARPET AND RUG MILLS

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

1. manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or
2. finishing carpets and rugs.

31412 CURTAIN AND LINEN MILLS

This industry comprises establishments primarily engaged in manufacturing household textile products, such as curtains, draperies, linens, bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

314121 CURTAIN AND DRAPERY MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing window curtains and draperies from purchased fabrics or sheet goods. The curtains and draperies may be made on a stock or custom basis for sale to individual retail customers.

314129 OTHER HOUSEHOLD TEXTILE PRODUCT MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing household textile products (except window curtains and draperies), such as bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

3149 OTHER TEXTILE PRODUCT MILLS

This industry group comprises establishments primarily engaged in making textile products, (except carpets and rugs, curtains and draperies, and other household textile products) from purchased materials.

31491 TEXTILE BAG AND CANVAS MILLS

This industry comprises establishments primarily engaged in manufacturing textile bags, awnings, tents, and related products from purchased textile fabrics.

314911 TEXTILE BAG MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing bags from purchased textile fabrics or yarns.

314912 CANVAS AND RELATED PRODUCT MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing canvas and canvas-like products, such as awnings, sails, tarpaulins, and tents, from purchased fabrics.

31499 ALL OTHER TEXTILE PRODUCT MILLS

This industry comprises establishments primarily engaged in manufacturing nonapparel textile products (except carpet, rugs, curtains, linens, bags, and canvas products) from purchased materials.

314991 ROPE, CORDAGE, AND TWINE MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from all materials (e.g., abaca, sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass).

314992 TIRE CORD AND TIRE FABRIC MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing cord and fabric of polyester, rayon, cotton, glass, steel, or other materials for use in reinforcing rubber tires, industrial belting, and similar uses.

314999 ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing textile products (except carpets and rugs; curtains and linens; textile bags and canvas products; rope, cordage, and twine; and tire cords and tire fabrics) from purchased materials.

315 APPAREL MANUFACTURING

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes:

1. Cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment), and
2. The manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment.

The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

3151 APPAREL KNITTING MILLS

This industry group comprises establishments primarily engaged in knitting apparel or knitting fabric and then manufacturing apparel. This industry group includes jobbers performing entrepreneurial functions involved in knitting apparel and accessories. Knitting fabric, without manufacturing apparel, is classified in Subsector 313, Textile Mills.

31511 HOSIERY AND SOCK MILLS

This industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery and socks.

315111 SHEER HOSIERY MILLS

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing women's, misses', and girls' full-length and knee-length sheer hosiery (except socks).

315119 OTHER HOSIERY AND SOCK MILLS

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery (except women's, misses', and girls' sheer hosiery).

31519 OTHER APPAREL KNITTING MILLS

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

1. knitting underwear, outerwear, and/or nightwear;

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2. knitting fabric and manufacturing underwear, outerwear, and/or nightwear; or
 3. knitting, manufacturing, and finishing knit underwear, outerwear, and/or nightwear.

315191 OUTERWEAR KNITTING MILLS

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

1. knitting outerwear;
2. knitting fabric and manufacturing outerwear; and
3. knitting, manufacturing, and finishing knit outerwear.

Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

315192 UNDERWEAR AND NIGHTWEAR KNITTING MILLS

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

1. knitting underwear and nightwear;
2. knitting fabric and manufacturing underwear and nightwear; or
3. knitting, manufacturing, and finishing knit underwear and nightwear.

Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

3152 CUT AND SEW APPAREL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing cut and sew apparel from woven fabric or purchased knit fabric. Included in this industry group is a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients. Establishments weaving or knitting fabric, without manufacturing apparel, are classified in Subsector 313, Textile Mills.

31521 CUT AND SEW APPAREL CONTRACTORS

This industry comprises establishments commonly referred to as contractors primarily engaged in one of the following:

1. cutting materials owned by others for apparel and accessories and/or
2. sewing materials owned by others for apparel and accessories.

315211 MEN'S AND BOYS' CUT AND SEW APPAREL CONTRACTORS

This U.S. industry comprises establishments (commonly referred to as contractors) primarily engaged in:

1. cutting materials owned by others for men's and boys' apparel and/or
2. sewing materials owned by others for men's and boys' apparel.

315212 WOMEN'S, GIRLS', AND INFANTS' CUT AND SEW APPAREL CONTRACTORS

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in one of the following:

1. cutting materials owned by others for women's, girls', and infants' apparel and accessories and/or
2. sewing materials owned by others for women's, girls', and infants' apparel and accessories.

31522 MEN'S AND BOYS' CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew apparel from purchased fabric. Men's and boys' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315221 MEN'S AND BOYS' CUT AND SEW UNDERWEAR AND NIGHTWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' underwear and nightwear from purchased fabric. Men's and boys' underwear and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are briefs, bathrobes, underwear T-shirts and shorts, nightshirts, and pajamas.

315222 MEN'S AND BOYS' CUT AND SEW SUIT, COAT, AND OVERCOAT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric. Men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315223 MEN'S AND BOYS' CUT AND SEW SHIRT (EXCEPT WORK SHIRT) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

315224 MEN'S AND BOYS' CUT AND SEW TROUSER, SLACK, AND JEAN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric. Men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315225 MEN'S AND BOYS' CUT AND SEW WORK CLOTHING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric. Men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are washable service apparel, laboratory coats, work shirts, work pants (except jeans and dungarees), and hospital apparel.

315228 MEN'S AND BOYS' CUT AND SEW OTHER OUTERWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweatpants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

31523 WOMEN'S AND GIRLS' CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing women's and girls' apparel from purchased fabric. Women's and girls' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315231 WOMEN'S AND GIRLS' CUT AND SEW LINGERIE, LOUNGEWEAR, AND NIGHTWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

315232 WOMEN'S AND GIRLS' CUT AND SEW BLOUSE AND SHIRT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric. Women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315233 WOMEN'S AND GIRLS' CUT AND SEW DRESS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric. Women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315234 WOMEN'S AND GIRLS' CUT AND SEW SUIT, COAT, TAILORED JACKET, AND SKIRT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315239 WOMEN'S AND GIRLS' CUT AND SEW OTHER OUTERWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts). Women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathing suits, down coats, sweaters, jogging suits, outerwear pants and shorts, and windbreakers.

31529 OTHER CUT AND SEW APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except men's, boys', women's, and girls' apparel). This industry includes establishments manufacturing apparel, such as fur apparel, leather apparel, infants' apparel, costumes, and clerical vestments.

315291 INFANTS' CUT AND SEW APPAREL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. Infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 FUR AND LEATHER APPAREL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew fur and leather apparel, and sheep-lined clothing. Fur and leather apparel jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315299 ALL OTHER CUT AND SEW APPAREL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Clothing jobbers for these products, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3159 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing apparel accessories and other apparel (except apparel knitting mills, apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, infants' cut and sew apparel, fur and leather apparel, and all other cut and sew apparel). This industry group includes jobbers performing entrepreneurial functions involved in manufacturing apparel accessories.

31599 APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who

perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

315991 HAT, CAP, AND MILLINERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew hats, caps, millinery, and hat bodies from purchased fabric. Jobbers, who perform entrepreneurial functions involved in hat, cap, and millinery manufacture, including buying raw materials, designing and preparing samples, arranging for hats, caps, and millinery to be made from their materials, and marketing finished hats, caps, and millinery, are included.

315992 GLOVE AND MITTEN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew gloves (except rubber, metal, and athletic gloves) and mittens from purchased fabric, fur, leather, or from combinations of fabric, fur, or leather. Jobbers, who perform entrepreneurial functions involved in glove and mitten manufacture, including buying raw materials, designing and preparing samples, arranging for gloves and mittens to be made from their materials, and marketing finished gloves and mittens, are included.

315993 MEN'S AND BOYS' NECKWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew neckties, scarves, and mufflers from purchased fabric, leather, or from combinations of leather and fabric. Men's and boys' neckwear jobbers, who perform entrepreneurial functions involved in neckwear manufacture, including buying raw materials, designing and preparing samples, arranging for neckwear to be made from their materials, and marketing finished neckwear, are included.

315999 OTHER APPAREL ACCESSORIES AND OTHER APPAREL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, and suspenders.

316 LEATHER AND ALLIED PRODUCT MANUFACTURING

Establishments in the Leather and Allied Product Manufacturing subsector transform hides into leather by tanning or curing and fabricating the leather into products for final consumption. It also includes the manufacture of similar products from other materials, including products (except apparel) made from "leather substitutes," such as rubber, plastics, or textiles. Rubber footwear, textile luggage, and plastics purses or wallets are examples of "leather substitute" products included in this group. The products made from leather substitutes are included in this subsector because they are made in similar ways leather products are made (e.g., luggage). They are made in the same establishments, so it is not practical to separate them.

The inclusion of leather making in this subsector is partly because leather tanning is a relatively small industry that has few close neighbors as a production process, partly because leather is an input to some of the other products classified in this subsector and partly for historical reasons.

3161 LEATHER AND HIDE TANNING AND FINISHING

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

1. Tanning, currying, and finishing hides and skins;
2. Having others process hides and skins on a contract basis; and
3. Dyeing or dressing furs.

31611 LEATHER AND HIDE TANNING AND FINISHING

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

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

316110 LEATHER AND HIDE TANNING AND FINISHING

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

1. tanning, currying, and finishing hides and skins;
2. having others process hides and skins on a contract basis; and
3. dyeing or dressing furs.

3162 FOOTWEAR MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

31621 FOOTWEAR MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing footwear (except orthopedic extension footwear).

316211 RUBBER AND PLASTICS FOOTWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

316212 HOUSE SLIPPER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing house slippers and slipper socks, regardless of material.

316213 MEN'S FOOTWEAR (EXCEPT ATHLETIC) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing men's footwear designed primarily for dress, street, and work. This industry includes men's shoes with rubber or plastics soles and leather or vinyl uppers.

316214 WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's footwear designed for dress, street, and work. This industry includes women's shoes with rubber or plastics soles and leather or vinyl uppers.

316219 OTHER FOOTWEAR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing other footwear (except rubber and plastics footwear; house slippers; men's footwear (except athletic); and women's footwear (except athletic)).

3169 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

31699 OTHER LEATHER AND ALLIED PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing leather products (except footwear and apparel) from purchased leather or leather substitutes (e.g., fabric, plastics).

316991 LUGGAGE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing luggage of any material.

316992 WOMEN'S HANDBAG AND PURSE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing women's handbags and purses of any material (except precious metal).

316993 PERSONAL LEATHER GOOD (EXCEPT WOMEN'S HANDBAG AND PURSE) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing personal leather goods (i.e., small articles of any material (except metal) normally carried on or about the person or in a handbag). Examples of personal leather goods made by these establishments are billfolds, coin purses, key cases, toilet kits, and watchbands (except metal).

316999 ALL OTHER LEATHER GOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing leather goods (except footwear, luggage, handbags, purses, and personal leather goods).

321 WOOD PRODUCT MANUFACTURING

Industries in the Wood Product Manufacturing subsector manufacture wood products, such as lumber, plywood, veneers, wood containers, wood flooring, wood trusses, manufactured homes (i.e., mobile home), and prefabricated wood buildings. The production processes of the Wood Product Manufacturing subsector include sawing, planing, shaping, laminating, and assembling of wood products starting from logs that are cut into bolts, or lumber that then may be further cut, or shaped by lathes or other shaping tools. The lumber or other transformed wood shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wood containers. The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 SAWMILLS AND WOOD PRESERVATION

This industry group comprises establishments whose primary production process begins with logs or bolts that are transformed into boards, dimension lumber, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips. Establishments that cut and treat round wood and/or treat wood products made in other establishments to prevent rotting by impregnation with creosote or other chemical compounds are also included in this industry group.

32111 SAWMILLS AND WOOD PRESERVATION

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

1. sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts;
2. sawing round wood poles, pilings, and posts and treating them with preservatives; and
3. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects.

Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321113 SAWMILLS

This U.S. industry comprises establishments primarily engaged in sawing dimension lumber, boards, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321114 WOOD PRESERVATION

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

1. treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives, such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or
2. sawing round wood poles, pilings, and posts and treating them with preservatives.

3212 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING

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

1. Manufacturing veneer and/or plywood;
2. Manufacturing engineered wood members; and
3. Manufacturing reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

32121 VENEER, PLYWOOD, AND ENGINEERED WOOD PRODUCT MANUFACTURING

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

1. manufacturing veneer and/or plywood;
2. manufacturing engineered wood members; and
3. manufacturing reconstituted wood products.

This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

321211 HARDWOOD VENEER AND PLYWOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing hardwood veneer and/or hardwood plywood.

321212 SOFTWOOD VENEER AND PLYWOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing softwood veneer and/or softwood plywood.

321213 ENGINEERED WOOD MEMBER (EXCEPT TRUSS) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated or laminated wood arches and/or other fabricated or laminated wood structural members.

321214 TRUSS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing laminated or fabricated wood roof and floor trusses.

321219 RECONSTITUTED WOOD PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

3219 OTHER WOOD PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, or engineered wood products).

32191 MILLWORK

This industry comprises establishments primarily engaged in manufacturing hardwood and softwood cut stock and dimension stock (i.e., shapes); wood windows and wood doors; and other millwork including wood flooring. Dimension stock or cut stock is defined as lumber and worked wood products cut or shaped to specialized sizes. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

321911 WOOD WINDOW AND DOOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing window and door units, sash, window and door frames, and doors from wood or wood clad with metal or plastics.

321912 CUT STOCK, RESAWING LUMBER, AND PLANING

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

1. manufacturing dimension lumber from purchased lumber;
2. manufacturing dimension stock (i.e., shapes) or cut stock;
3. resawing the output of sawmills; and
4. planing purchased lumber.

These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

321918 OTHER MILLWORK (INCLUDING FLOORING)

This U.S. industry comprises establishments primarily engaged in manufacturing millwork (except wood windows, wood doors, and cut stock).

32192 WOOD CONTAINER AND PALLET MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

321920 WOOD CONTAINER AND PALLET MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shoo, wood boxes, other wood containers, and wood parts for pallets and containers.

32199 ALL OTHER WOOD PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and wood preservation facilities; and establishments manufacturing veneer, plywood, engineered wood products, millwork, wood containers, or pallets).

321991 MANUFACTURED HOME (MOBILE HOME) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in making manufactured homes (i.e., mobile homes) and nonresidential mobile buildings. Manufactured homes are designed to accept permanent water, sewer, and utility connections and although equipped with wheels, they are not intended for regular highway movement.

321992 PREFABRICATED WOOD BUILDING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated wood buildings and wood sections and panels for prefabricated wood buildings.

321999 ALL OTHER MISCELLANEOUS WOOD PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and preservation facilities; establishments manufacturing veneer, engineered wood products, millwork, wood containers, pallets, and wood container parts; and establishments making manufactured homes (i.e., mobile homes) and prefabricated buildings and components).

322 PAPER MANUFACTURING

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.

An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the NAICS Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film. The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

3221 PULP, PAPER, AND PAPERBOARD MILLS

This industry group comprises establishments primarily engaged in manufacturing pulp, paper, or paperboard.

32211 PULP MILLS

This industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

322110 PULP MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

32212 PAPER MILLS

This industry comprises establishments primarily engaged in manufacturing paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may convert the paper they make. The activity of making paper classifies an establishment into this industry regardless of the output.

322121 PAPER (EXCEPT NEWSPRINT) MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

322122 NEWSPRINT MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

32213 PAPERBOARD MILLS

This industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

322130 PAPERBOARD MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

3222 CONVERTED PAPER PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in converting paper or paperboard without manufacturing paper or paperboard.

32221 PAPERBOARD CONTAINER MANUFACTURING

This industry comprises establishments primarily engaged in converting paperboard into containers without manufacturing paperboard. These establishments use corrugating, cutting, and shaping machinery to form paperboard into containers. Products made by these establishments include boxes; corrugated sheets, pads, and pallets; paper dishes; and fiber drums and reels.

322211 CORRUGATED AND SOLID FIBER BOX MANUFACTURING

This U.S. industry comprises establishments primarily engaged in laminating purchased paper or paperboard into corrugated or solid fiber boxes and related products, such as pads, partitions, pallets, and corrugated paper without manufacturing paperboard. These boxes are generally used for shipping.

322212 FOLDING PAPERBOARD BOX MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paperboard (except corrugated) into folding paperboard boxes without manufacturing paper and paperboard.

322213 SETUP PAPERBOARD BOX MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paperboard into setup paperboard boxes (i.e., rigid-sided boxes not shipped flat) without manufacturing paperboard.

322214 FIBER CAN, TUBE, DRUM, AND SIMILAR PRODUCTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paperboard into fiber cans, tubes, drums, and similar products without manufacturing paperboard.

322215 NONFOLDING SANITARY FOOD CONTAINER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting sanitary foodboard into food containers (except folding).

32222 PAPER BAG AND COATED AND TREATED PAPER MANUFACTURING

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

1. cutting and coating paper and paperboard;
2. cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film);
3. manufacturing bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film;
4. manufacturing laminated aluminum and other converted metal foils from purchased foils; and
5. surface coating paper or paperboard.

322221 COATED AND LAMINATED PACKAGING PAPER AND PLASTICS FILM MANUFACTURING

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

1. cutting and coating paper and

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2. cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates).

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

322222 COATED AND LAMINATED PAPER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging:

1. cutting and coating paper;
2. cutting and laminating paper and other flexible materials (except plastics film to plastics film); and
3. laminating aluminum and other metal foils for nonpackaging uses from purchased foils.

The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

322223 PLASTICS, FOIL, AND COATED PAPER BAG MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing bags of coated paper, of metal foil, or of laminated or coated combinations of plastics, foil, and paper, whether or not printed.

322224 UNCOATED PAPER AND MULTIWALL BAG MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing uncoated paper bags or multiwall bags and sacks.

322225 LAMINATED ALUMINUM FOIL MANUFACTURING FOR FLEXIBLE PACKAGING USES

This U.S. industry comprises establishments primarily engaged in laminating aluminum and other metal foil into products with flexible packaging uses or gift wrap and other packaging wrap applications.

322226 SURFACE-COATED PAPERBOARD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in laminating, lining, or surface coating purchased paperboard to make other paperboard products.

32223 STATIONERY PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in converting paper or paperboard into products used for writing, filing, art work, and similar applications.

322231 DIE-CUT PAPER AND PAPERBOARD OFFICE SUPPLIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paper rollstock or paperboard into die-cut paper or paperboard office supplies. For the purpose of this industry, office supplies are defined as office products, such as filing folders, index cards, rolls for adding machines, file separators and dividers, tabulating cards, and other paper and paperboard office supplies.

322232 ENVELOPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing envelopes for mailing or stationery of any material including combinations.

322233 STATIONERY, TABLET, AND RELATED PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., looseleaf fillers, notebooks, pads, stationery, and tablets).

32229 OTHER CONVERTED PAPER PRODUCT MANUFACTURING

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

1. converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or
2. converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes.

Processes used include laminating or lining purchased paper or paperboard.

322291 SANITARY PAPER PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting purchased sanitary paper stock or wadding into sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, sanitary napkins, and tampons.

322299 ALL OTHER CONVERTED PAPER PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paper or paperboard into products (except containers, bags, coated and treated paper, stationery products, and sanitary paper products) or converting pulp into pulp products, such as egg cartons, food trays, and other food containers from molded pulp.

323 PRINTING AND RELATED SUPPORT ACTIVITIES

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, labels, business cards, stationery, business forms, and other materials, and perform support activities, such as data imaging, platemaking services, and bookbinding. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, film, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, NAICS classifies the publishing of printed products in Subsector 511, Publishing Industries (except Internet). Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

3231 PRINTING AND RELATED SUPPORT ACTIVITIES

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

1. Printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods) and/or
2. Performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

32311 PRINTING

This industry comprises establishments primarily engaged in printing on apparel and textile products, paper, metal, glass, plastics, and other materials, except fabric (grey goods). The printing processes employed include, but are not limited to, lithographic, gravure, screen, flexographic, digital, and letterpress. Establishments in this industry do not manufacture the stock that they print but may perform postprinting activities, such as folding, cutting, or laminating the materials they print, and mailing.

323110 COMMERCIAL LITHOGRAPHIC PRINTING

This U.S. industry comprises establishments primarily engaged in lithographic (i.e., offset) printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in lithographic printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323111 COMMERCIAL GRAVURE PRINTING

This U.S. industry comprises establishments primarily engaged in gravure printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in gravure printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323112 COMMERCIAL FLEXOGRAPHIC PRINTING

This U.S. industry comprises establishments primarily engaged in flexographic printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in flexographic printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

323113 COMMERCIAL SCREEN PRINTING

This U.S. industry comprises establishments primarily engaged in screen printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in screen printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis. Establishments primarily engaged in printing on apparel and textile products, such as T-shirts, caps, jackets, towels, and napkins, are included in this industry.

323114 QUICK PRINTING

This U.S. industry comprises establishments primarily engaged in traditional printing activities, such as short-run offset printing or prepress services, in combination with providing document photocopying service. Prepress services include receiving documents in electronic format and directly duplicating from the electronic file and formatting, colorizing, and otherwise modifying the original document to improve presentation. These establishments, known as quick printers, generally provide short-run printing and copying with fast turnaround times.

323115 DIGITAL PRINTING

This U.S. industry comprises establishments primarily engaged in printing graphical materials using digital printing equipment. Establishments known as digital printers typically provide sophisticated prepress services including using scanners to input images and computers to manipulate and format the graphic images prior to printing.

323116 MANIFOLD BUSINESS FORMS PRINTING

This U.S. industry comprises establishments primarily engaged in printing special forms, including checkbooks, for use in the operation of a business. The forms may be in single and multiple sets, including carbonized, interleaved with carbon, or otherwise processed for multiple reproduction.

323117 BOOKS PRINTING

This U.S. industry comprises establishments primarily engaged in printing or printing and binding books and pamphlets without publishing.

323118 BLANKBOOK, LOOSELEAF BINDERS, AND DEVICES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and binders. Establishments in this industry may print or print and bind.

323119 OTHER COMMERCIAL PRINTING

This U.S. industry comprises establishments primarily engaged in commercial printing (except lithographic, gravure, screen, or flexographic printing) without publishing (except books, grey goods, and manifold business forms). Printing processes included in this industry are letterpress printing and engraving printing. This industry includes establishments engaged in commercial printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

32312 SUPPORT ACTIVITIES FOR PRINTING

This industry comprises establishments primarily engaged in performing prepress (e.g., platemaking, typesetting) and postpress services (e.g., book binding) in support of printing activities.

323121 TRADEBINDING AND RELATED WORK

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

1. tradebinding;
2. sample mounting; and
3. postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

323122 PREPRESS SERVICES

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

1. prepress services, such as imagesetting or typesetting, for printers and
2. preparing film or plates for printing purposes.

324 PETROLEUM AND COAL PRODUCTS MANUFACTURING

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

In addition, this subsector includes establishments that primarily further process refined petroleum and coal products and produce products, such as asphalt coatings and petroleum lubricating oils. However, establishments that manufacture petrochemicals from refined petroleum are classified in Industry 32511, Petrochemical Manufacturing.

3241 PETROLEUM AND COAL PRODUCTS MANUFACTURING

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

1. Petroleum refineries manufacturing;
2. Asphalt paving, roofing, and saturated materials manufacturing; and/or
3. Other petroleum and coal products manufacturing.

32411 PETROLEUM REFINERIES

This industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

324110 PETROLEUM REFINERIES

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities:

1. fractionation;
2. straight distillation of crude oil; and
3. cracking.

32412 ASPHALT PAVING, ROOFING, AND SATURATED MATERIALS MANUFACTURING

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

1. manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or
2. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

324121 ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing asphalt and tar paving mixtures and blocks from purchased asphaltic materials.

324122 ASPHALT SHINGLE AND COATING MATERIALS MANUFACTURING

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

1. saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and
2. manufacturing asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

32419 OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing and saturated materials) from refined petroleum or coal products made in coke ovens not integrated with a steel mill.

324191 PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in blending or compounding refined petroleum to make lubricating oils and greases and/or re-refining used petroleum lubricating oils.

324199 ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials and lubricating oils and greases) from refined petroleum and coal products made in coke ovens not integrated with a steel mill.

325 CHEMICAL MANUFACTURING

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products. This subsector distinguishes the production of basic chemicals that comprise the first industry group from the production of intermediate and end products produced by further processing of basic chemicals that make up the remaining industry groups.

This subsector does not include all industries transforming raw materials by a chemical process. It is common for some chemical processing to occur during mining operations. These beneficiating operations, such as copper concentrating, are classified in Sector 21, Mining. Furthermore, the refining of crude petroleum is included in Subsector 324, Petroleum and Coal Products Manufacturing. In addition, the manufacturing of aluminum oxide is included in Subsector 331, Primary Metal Manufacturing; and beverage distilleries are classified in Subsector 312, Beverage and Tobacco Product Manufacturing. As in the case of these two activities, the grouping of industries into subsectors may take into account the association of the activities performed with other activities in the subsector.

3251 BASIC CHEMICAL MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically-defined compounds.

32511 PETROCHEMICAL MANUFACTURING

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

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

325110 PETROCHEMICAL MANUFACTURING

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

1. manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or
2. manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

32512 INDUSTRIAL GAS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

325120 INDUSTRIAL GAS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

32513 SYNTHETIC DYE AND PIGMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing synthetic organic and inorganic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

325131 INORGANIC DYE AND PIGMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing inorganic dyes and pigments.

325132 SYNTHETIC ORGANIC DYE AND PIGMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic organic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

32518 OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases and synthetic dyes and pigments).

325181 ALKALIES AND CHLORINE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

325182 CARBON BLACK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

325188 ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

32519 OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing basic organic chemicals (except petrochemicals, industrial gases, and synthetic dyes and pigments).

325191 GUM AND WOOD CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

325192 CYCLIC CRUDE AND INTERMEDIATE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in (1) distilling coal tars and/or (2) manufacturing cyclic crudes or, cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.

325193 ETHYL ALCOHOL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

325199 ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

3252 RESIN, SYNTHETIC RUBBER, AND ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

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

1. Resin and synthetic rubber manufacturing and
2. Artificial and synthetic fibers and filaments manufacturing.

32521 RESIN AND SYNTHETIC RUBBER MANUFACTURING

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

1. manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis;
2. manufacturing noncustomized synthetic resins; and
3. manufacturing synthetic rubber.

325211 PLASTICS MATERIAL AND RESIN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in

1. manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or
2. manufacturing noncustomized synthetic resins.

325212 SYNTHETIC RUBBER MANUFACTURING

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

32522 ARTIFICIAL AND SYNTHETIC FIBERS AND FILAMENTS MANUFACTURING

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

1. manufacturing cellulosic (i.e., rayon and acetate) and noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturing cellulosic and noncellulosic fibers and filaments.

325221 CELLULOSIC ORGANIC FIBER MANUFACTURING

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

1. manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or
2. manufacturing and texturizing cellulosic fibers and filaments.

325222 NONCELLULOSIC ORGANIC FIBER MANUFACTURING

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

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1. manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow, or
 2. manufacturing and texturizing noncellulosic fibers and filaments.

3253 PESTICIDE, FERTILIZER, AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This industry group includes establishments classified in one of the following:

1. Fertilizer manufacturing and/or
2. Pesticide and other agricultural chemical manufacturing.

32531 FERTILIZER MANUFACTURING

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

1. manufacturing nitrogenous or phosphatic fertilizer materials;
2. manufacturing fertilizers from sewage or animal waste;
3. manufacturing nitrogenous or phosphatic materials and mixing with other ingredients into fertilizers; and
4. mixing ingredients made elsewhere into fertilizers.

325311 NITROGENOUS FERTILIZER MANUFACTURING

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

1. manufacturing nitrogenous fertilizer materials and mixing ingredients into fertilizers;
2. manufacturing fertilizers from sewage or animal waste; and
3. manufacturing nitrogenous materials and mixing them into fertilizers.

325312 PHOSPHATIC FERTILIZER MANUFACTURING

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

1. manufacturing phosphatic fertilizer materials or
2. manufacturing phosphatic materials and mixing them into fertilizers.

325314 FERTILIZER (MIXING ONLY) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in mixing ingredients made elsewhere into fertilizers.

32532 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

325320 PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

3254 PHARMACEUTICAL AND MEDICINE MANUFACTURING

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

1. Manufacturing biological and medicinal products;
2. Processing (i.e., grading, grinding, and milling) botanical drugs and herbs;

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3. Isolating active medicinal principals from botanical drugs and herbs; and
 4. Manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

32541 PHARMACEUTICAL AND MEDICINE MANUFACTURING

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

1. manufacturing biological and medicinal products;
2. processing (i.e., grading, grinding, and milling) botanical drugs and herbs;
3. isolating active medicinal principals from botanical drugs and herbs; and
4. manufacturing pharmaceutical products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325411 MEDICINAL AND BOTANICAL MANUFACTURING

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

1. manufacturing uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or
2. grading, grinding, and milling uncompounded botanicals.

325412 PHARMACEUTICAL PREPARATION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing in-vivo diagnostic substances and pharmaceutical preparations (except biological) intended for internal and external consumption in dose forms, such as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325413 IN-VITRO DIAGNOSTIC SUBSTANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing in-vitro (i.e., not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances. The substances are used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices.

325414 BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing vaccines, toxoids, blood fractions, and culture media of plant or animal origin (except diagnostic).

3255 PAINT, COATING, AND ADHESIVE MANUFACTURING

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

1. Paint and coating manufacturing and/or
2. Adhesive manufacturing.

32551 PAINT AND COATING MANUFACTURING

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

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or

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2. manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

325510 PAINT AND COATING MANUFACTURING

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

1. mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry and/or
2. manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

32552 ADHESIVE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

325520 ADHESIVE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

3256 SOAP, CLEANING COMPOUND, AND TOILET PREPARATION MANUFACTURING

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

1. Soap and cleaning compound manufacturing and/or
2. Toilet preparation manufacturing.

32561 SOAP AND CLEANING COMPOUND MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and packaging soap and other cleaning compounds, surface active agents, and textile and leather finishing agents used to reduce tension or speed the drying process.

325611 SOAP AND OTHER DETERGENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging soaps and other detergents, such as laundry detergents; dishwashing detergents; toothpaste gels and tooth powders; and natural glycerin.

325612 POLISH AND OTHER SANITATION GOOD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging polishes and specialty cleaning preparations.

325613 SURFACE ACTIVE AGENT MANUFACTURING

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

1. manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or
2. manufacturing textiles and leather finishing agents used to reduce tension or speed the drying process.

32562 TOILET PREPARATION MANUFACTURING

This industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

325620 TOILET PREPARATION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

3259 OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

32591 PRINTING INK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

325910 PRINTING INK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

32592 EXPLOSIVES MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing explosives.

325920 EXPLOSIVES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing explosives.

32599 ALL OTHER CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, and synthetic rubber; cellulosic and noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; and soaps, cleaning compounds, and toilet preparations; printing inks; and explosives).

325991 CUSTOM COMPOUNDING OF PURCHASED RESINS

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

1. custom mixing and blending plastics resins made elsewhere or
2. reformulating plastics resins from recycled plastics products.

325992 PHOTOGRAPHIC FILM, PAPER, PLATE, AND CHEMICAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing sensitized film, sensitized paper, sensitized cloth, sensitized plates, toners (i.e., for photocopiers, laser printers, and similar electrostatic printing devices), toner cartridges, and photographic chemicals.

325998 ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, synthetic rubber; cellulosic and noncellulosic fiber and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings and adhesives; soap, cleaning compounds, and toilet preparations; printing inks; explosives; custom compounding of purchased resins; and photographic films, papers, plates, and chemicals).

326 PLASTICS AND RUBBER PRODUCTS MANUFACTURING

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In NAICS, such activities (the footwear and furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hoses and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

3261 PLASTICS PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in processing new or spent (i.e., recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

32611 PLASTICS PACKAGING MATERIALS AND UNLAMINATED FILM AND SHEET MANUFACTURING

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

1. converting plastics resins into unsupported plastics film and sheet and/or
2. forming, coating or laminating plastics film and sheet into plastics bags.

326111 PLASTICS BAG MANUFACTURING

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

1. converting plastics resins into plastics bags or

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- forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags.

Establishments in this industry may print on the bags they manufacture.

326112 PLASTICS PACKAGING FILM AND SHEET (INCLUDING LAMINATED) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics packaging (flexible) film and packaging sheet.

326113 UNLAMINATED PLASTICS FILM AND SHEET (EXCEPT PACKAGING) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics film and un laminated sheet (except packaging).

32612 PLASTICS PIPE, PIPE FITTING, AND UNLAMINATED PROFILE SHAPE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics pipes and pipe fittings, and plastics profile shapes such as rod, tube, and sausage casings.

326121 UNLAMINATED PLASTICS PROFILE SHAPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into nonrigid plastics profile shapes (except film, sheet, and bags), such as rod, tube, and sausage casings.

326122 PLASTICS PIPE AND PIPE FITTING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting plastics resins into rigid plastics pipes and pipe fittings.

32613 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

This industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

326130 LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

32614 POLYSTYRENE FOAM PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

326140 POLYSTYRENE FOAM PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

32615 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

326150 URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

32616 PLASTICS BOTTLE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing plastics bottles.

326160 PLASTICS BOTTLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics bottles.

32619 OTHER PLASTICS PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing resilient floor covering and other plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, and bottles).

326191 PLASTICS PLUMBING FIXTURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

326192 RESILIENT FLOOR COVERING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

326199 ALL OTHER PLASTICS PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, plumbing fixtures, and resilient floor coverings).

3262 RUBBER PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in processing natural, and synthetic or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

32621 TIRE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber and retreading or rebuilding tires.

326211 TIRE MANUFACTURING (EXCEPT RETREADING)

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

326212 TIRE RETREADING

This U.S. industry comprises establishments primarily engaged in retreading or rebuilding tires.

32622 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

326220 RUBBER AND PLASTICS HOSES AND BELTING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

32629 OTHER RUBBER PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing rubber products (except tires, hoses, and belting) from natural and synthetic rubber.

326291 RUBBER PRODUCT MANUFACTURING FOR MECHANICAL USE

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

326299 ALL OTHER RUBBER PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

327 NONMETALLIC MINERAL PRODUCT MANUFACTURING

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications. The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily beneficiate mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 CLAY PRODUCT AND REFRACTORY MANUFACTURING

This industry group comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials and/or shaping, molding, baking, burning, or hardening clay refractories, non-clay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

32711 POTTERY, CERAMICS, AND PLUMBING FIXTURE MANUFACTURING

This industry comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials.

327111 VITREOUS CHINA PLUMBING FIXTURE AND CHINA AND EARTHENWARE BATHROOM ACCESSORIES MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

327112 VITREOUS CHINA, FINE EARTHENWARE, AND OTHER POTTERY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

327113 PORCELAIN ELECTRICAL SUPPLY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

32712 CLAY BUILDING MATERIAL AND REFRACTORIES MANUFACTURING

This industry comprises establishments primarily engaged in shaping, molding, baking, burning, or hardening clay refractories, nonclay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

327121 BRICK AND STRUCTURAL CLAY TILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

327122 CERAMIC WALL AND FLOOR TILE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

327123 OTHER STRUCTURAL CLAY PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

327124 CLAY REFRACTORY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

327125 NONCLAY REFRACTORY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

3272 GLASS AND GLASS PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

32721 GLASS AND GLASS PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

327211 FLAT GLASS MANUFACTURING

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

1. manufacturing flat glass by melting silica sand or cullet; or
2. manufacturing both flat glass and laminated glass by melting silica sand or cullet.

327212 OTHER PRESSED AND BLOWN GLASS AND GLASSWARE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

327213 GLASS CONTAINER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

327215 GLASS PRODUCT MANUFACTURING MADE OF PURCHASED GLASS

This U.S. industry comprises establishments primarily engaged in coating, laminating, tempering, or shaping purchased glass.

3273 CEMENT AND CONCRETE PRODUCT MANUFACTURING

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

1. Cement manufacturing;
2. Ready-mix concrete manufacturing;
3. Concrete pipe, brick, and block manufacturing; and/or
4. Other concrete product manufacturing.

32731 CEMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

327310 CEMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

32732 READY-MIX CONCRETE MANUFACTURING

This industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

327320 READY-MIX CONCRETE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete delivered to a purchaser, such as batch plants or mix plants, in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

32733 CONCRETE PIPE, BRICK, AND BLOCK MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing concrete pipe, brick, and block.

327331 CONCRETE BLOCK AND BRICK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

327332 CONCRETE PIPE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

32739 OTHER CONCRETE PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

327390 OTHER CONCRETE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

3274 LIME AND GYPSUM PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells and/or gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work.

32741 LIME MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

327410 LIME MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

32742 GYPSUM PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

327420 GYPSUM PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products such as wallboard, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

3279 OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except clay products, refractory products, glass products, cement and concrete products, lime, and gypsum products).

32791 ABRASIVE PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

327910 ABRASIVE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

32799 ALL OTHER NONMETALLIC MINERAL PRODUCT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; and abrasive products).

327991 CUT STONE AND STONE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

327992 GROUND OR TREATED MINERAL AND EARTH MANUFACTURING

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

327993 MINERAL WOOL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

327999 ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

331 PRIMARY METAL MANUFACTURING

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

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

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

3311 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

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

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

33111 IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

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

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

331111 IRON AND STEEL MILLS

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

1. direct reduction of iron ore;

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

331112 ELECTROMETALLURGICAL FERROALLOY PRODUCT MANUFACTURING

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

3312 STEEL PRODUCT MANUFACTURING FROM PURCHASED STEEL

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

33121 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

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

331210 IRON AND STEEL PIPE AND TUBE MANUFACTURING FROM PURCHASED STEEL

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

33122 ROLLING AND DRAWING OF PURCHASED STEEL

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

331221 ROLLED STEEL SHAPE MANUFACTURING

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

331222 STEEL WIRE DRAWING

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

3313 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

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

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

33131 ALUMINA AND ALUMINUM PRODUCTION AND PROCESSING

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

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

331311 ALUMINA REFINING

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

331312 PRIMARY ALUMINUM PRODUCTION

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

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

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

331314 SECONDARY SMELTING AND ALLOYING OF ALUMINUM

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

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

331315 ALUMINUM SHEET, PLATE, AND FOIL MANUFACTURING

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

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

331316 ALUMINUM EXTRUDED PRODUCT MANUFACTURING

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

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

331319 OTHER ALUMINUM ROLLING AND DRAWING

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

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

3314 NONFERROUS METAL (EXCEPT ALUMINUM) PRODUCTION AND PROCESSING

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

1. Nonferrous metal (except aluminum) smelting and refining;
2. Copper rolling, drawing, extruding, and alloying; and/or
3. Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying.

33141 NONFERROUS METAL (EXCEPT ALUMINUM) SMELTING AND REFINING

This industry comprises establishments primarily engaged in:

1. smelting ores into nonferrous metals and/or
2. the primary refining of nonferrous metals (except aluminum) using electrolytic or other processes.

331411 PRIMARY SMELTING AND REFINING OF COPPER

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

1. smelting copper ore and/or
2. the primary refining of copper by electrolytic methods or other processes.

Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

331419 PRIMARY SMELTING AND REFINING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)

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

1. making (primary production) nonferrous metals by smelting ore and/or
2. the primary refining of nonferrous metals by electrolytic methods or other processes.

33142 COPPER ROLLING, DRAWING, EXTRUDING, AND ALLOYING

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

1. recovering copper or copper alloys from scraps;
2. alloying purchased copper;
3. rolling, drawing, or extruding shapes, (e.g., bar, plate, sheet, strip, tube, wire) from purchased copper; and
4. recovering copper or copper alloys from scrap and rolling drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube, wire).

331421 COPPER ROLLING, DRAWING, AND EXTRUDING

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

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire)) from purchased copper and/or
2. recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube (except bare or insulated copper communication or energy wire) in integrated mills.

331422 COPPER WIRE (EXCEPT MECHANICAL) DRAWING

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

331423 SECONDARY SMELTING, REFINING, AND ALLOYING OF COPPER

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

1. recovering copper and copper alloys from scrap and/or
2. alloying purchased copper.

Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

33149 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, EXTRUDING, AND ALLOYING

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

1. recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap;
2. alloying purchased nonferrous metals (except copper and aluminum);
3. rolling, drawing, and extruding shapes from purchased nonferrous metals (except copper and aluminum); and
4. recovering nonferrous metals from scrap (except copper and aluminum) and rolling, drawing, or extruding shapes in integrated facilities.

331491 NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, AND EXTRUDING

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

1. rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) from purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, and tube) in integrated mills.

331492 SECONDARY SMELTING, REFINING, AND ALLOYING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)

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

1. alloying purchased nonferrous metals and/or
2. recovering nonferrous metals from scrap.

Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, and wire) using smelting or refining processes.

3315 FOUNDRIES

This industry group comprises establishments primarily engaged in pouring molten metal into molds or dies to form castings. Establishments making castings and further manufacturing, such as machining or assembling, a specific manufactured product are classified in the industry of the finished product. Foundries may perform operations, such as cleaning and deburring, on the castings they manufacture. More involved processes, such as tapping, threading, milling, or machining to tight tolerances, that transform castings into more finished products are classified elsewhere in the manufacturing sector based on the product being made.

Establishments in this industry group make castings from purchased metals or in integrated secondary smelting and casting facilities. When the production of primary metals is combined with making castings, the establishment is classified in 331 with the primary metal being made.

33151 FERROUS METAL FOUNDRIES

This industry comprises establishments primarily engaged in pouring molten iron and steel into molds of a desired shape to 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:

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

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

334111 ELECTRONIC COMPUTER MANUFACTURING

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

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

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

334112 COMPUTER STORAGE DEVICE MANUFACTURING

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

334113 COMPUTER TERMINAL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

334119 OTHER COMPUTER PERIPHERAL EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

3342 COMMUNICATIONS EQUIPMENT MANUFACTURING

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

1. Telephone apparatus manufacturing;
2. Radio and television broadcasting and wireless communications equipment manufacturing; and
3. Other communications equipment manufacturing.

33421 TELEPHONE APPARATUS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be standalone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, LAN modems, multi-user modems, and other data communications equipment, such as bridges, routers, and gateways.

334210 TELEPHONE APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

33422 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334220 RADIO AND TELEVISION BROADCASTING AND WIRELESS COMMUNICATIONS EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

33429 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

334290 OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

3343 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

33431 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

334310 AUDIO AND VIDEO EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

3344 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

33441 SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

334411 ELECTRON TUBE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

334412 BARE PRINTED CIRCUIT BOARD MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

334413 SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells and other optoelectronic devices.

334414 ELECTRONIC CAPACITOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

334415 ELECTRONIC RESISTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

334416 ELECTRONIC COIL, TRANSFORMER, AND OTHER INDUCTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

334417 ELECTRONIC CONNECTOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial; cylindrical; rack and panel; pin and sleeve; printed circuit; and fiber optic.

334418 PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

334419 OTHER ELECTRONIC COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers, and other inductors; connectors; and loaded printed circuit boards).

3345 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

33451 NAVIGATIONAL, MEASURING, ELECTROMEDICAL, AND CONTROL INSTRUMENTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

334510 ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

334511 SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

334512 AUTOMATIC ENVIRONMENTAL CONTROL MANUFACTURING FOR RESIDENTIAL, COMMERCIAL, AND APPLIANCE USE

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration, and appliances.

334513 INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING, DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display, or control (i.e., monitor and analyze) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

334514 TOTALIZING FLUID METER AND COUNTING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

334515 INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

334516 ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

334517 IRRADIATION APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, and research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

334518 WATCH, CLOCK, AND PART MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling: clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

334519 OTHER MEASURING AND CONTROLLING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

3346 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA

This industry group comprises establishments primarily engaged in:

1. Manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or
2. Mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

33461 MANUFACTURING AND REPRODUCING MAGNETIC AND OPTICAL MEDIA

This industry comprises establishments primarily engaged in:

1. manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or;
2. mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

334611 SOFTWARE REPRODUCING

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software, they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

334612 PRERECORDED COMPACT DISC (EXCEPT SOFTWARE), TAPE, AND RECORD REPRODUCING

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

334613 MAGNETIC AND OPTICAL RECORDING MEDIA MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

335 ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric Lighting Equipment Manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household

Appliance Manufacturing establishments make both small and major electrical appliances and parts. Electrical Equipment Manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other Electrical Equipment and Component Manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 ELECTRIC LIGHTING EQUIPMENT MANUFACTURING

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

1. Electric lamp bulb and part manufacturing and/or
2. Lighting fixture manufacturing.

33511 ELECTRIC LAMP BULB AND PART MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335110 ELECTRIC LAMP BULB AND PART MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

33512 LIGHTING FIXTURE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics), and lighting fixture components (except current-carrying wiring devices).

335121 RESIDENTIAL ELECTRIC LIGHTING FIXTURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

335122 COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL ELECTRIC LIGHTING FIXTURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

335129 OTHER LIGHTING EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular) and nonelectric lighting equipment.

3352 HOUSEHOLD APPLIANCE MANUFACTURING

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

1. Small electrical appliance manufacturing and/or
2. Major appliance manufacturing.

33521 SMALL ELECTRICAL APPLIANCE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

335211 ELECTRIC HOUSEWARES AND HOUSEHOLD FAN MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

335212 HOUSEHOLD VACUUM CLEANER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

33522 MAJOR APPLIANCE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

335221 HOUSEHOLD COOKING APPLIANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

335222 HOUSEHOLD REFRIGERATOR AND HOME FREEZER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

335224 HOUSEHOLD LAUNDRY EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

335228 OTHER MAJOR HOUSEHOLD APPLIANCE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric and non-electric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

3353 ELECTRICAL EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

33531 ELECTRICAL EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

335311 POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

335312 MOTOR AND GENERATOR MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

335313 SWITCHGEAR AND SWITCHBOARD APPARATUS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

335314 RELAY AND INDUSTRIAL CONTROL MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

3359 OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

33591 BATTERY MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

335911 STORAGE BATTERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

335912 PRIMARY BATTERY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

33592 COMMUNICATION AND ENERGY WIRE AND CABLE MANUFACTURING

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

335921 FIBER OPTIC CABLE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

335929 OTHER COMMUNICATION AND ENERGY WIRE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

33593 WIRING DEVICE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

335931 CURRENT-CARRYING WIRING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

335932 NONCURRENT-CARRYING WIRING DEVICE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

33599 ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

335991 CARBON AND GRAPHITE PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

335999 ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

336 TRANSPORTATION EQUIPMENT MANUFACTURING

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 MOTOR VEHICLE MANUFACTURING

This industry group comprises establishments primarily engaged in:

1. Automobile and light duty motor vehicle manufacturing and/or
2. Heavy duty truck manufacturing.

33611 AUTOMOBILE AND LIGHT DUTY MOTOR VEHICLE MANUFACTURING

This industry comprises establishments primarily engaged in:

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1. manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or
 2. manufacturing chassis only.

336111 AUTOMOBILE MANUFACTURING

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

1. manufacturing complete automobiles (i.e., body and chassis or unibody) or
2. manufacturing automobile chassis only.

336112 LIGHT TRUCK AND UTILITY VEHICLE MANUFACTURING

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

1. manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or
2. manufacturing light truck and utility vehicle chassis only.

Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

33612 HEAVY DUTY TRUCK MANUFACTURING

This industry comprises establishments primarily engaged in:

1. manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. manufacturing heavy duty truck chassis only.

336120 HEAVY DUTY TRUCK MANUFACTURING

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

1. manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or
2. manufacturing heavy duty truck chassis only.

3362 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING

This industry group comprises establishments primarily engaged in:

1. Manufacturing motor vehicle bodies and cabs or
2. Manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

33621 MOTOR VEHICLE BODY AND TRAILER MANUFACTURING

This industry comprises establishments primarily engaged in:

1. manufacturing motor vehicle bodies and cabs or
2. manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies, and detachable trailer chassis.

The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

336211 MOTOR VEHICLE BODY MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

336212 TRUCK TRAILER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

336213 MOTOR HOME MANUFACTURING

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

1. manufacturing motor homes on purchased chassis and/or
2. manufacturing conversion vans on an assembly line basis.

Motor homes are units where the motor and the living quarters are integrated in the same unit.

336214 TRAVEL TRAILER AND CAMPER MANUFACTURING

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

1. manufacturing travel trailers and campers designed to attach to motor vehicles;
2. manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and
3. manufacturing automobile, utility, and light-truck trailers.

Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

3363 MOTOR VEHICLE PARTS MANUFACTURING

This industry group comprises establishments primarily engaged in:

1. Motor vehicle gasoline engine and engine parts manufacturing;
2. Motor vehicle electrical and electronic equipment manufacturing;
3. Motor vehicle steering and suspension components (except spring) manufacturing;
4. Motor vehicle brake system manufacturing;
5. Motor vehicle transmission and power train parts manufacturing;
6. Motor vehicle seating and interior trim manufacturing;
7. Motor vehicle metal stamping; and/or
8. Other motor vehicle parts manufacturing.

33631 MOTOR VEHICLE GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines, and engine parts, whether or not for vehicular use.

336311 CARBURETOR, PISTON, PISTON RING, AND VALVE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

336312 GASOLINE ENGINE AND ENGINE PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

33632 MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in:

1. manufacturing vehicular lighting and/or
2. manufacturing and/or rebuilding motor vehicle electrical and electronic equipment.

The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, and ships).

336321 VEHICULAR LIGHTING EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

336322 OTHER MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

33633 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336330 MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS (EXCEPT SPRING) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

33634 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336340 MOTOR VEHICLE BRAKE SYSTEM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

33635 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336350 MOTOR VEHICLE TRANSMISSION AND POWER TRAIN PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

33636 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336360 MOTOR VEHICLE SEATING AND INTERIOR TRIM MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

33637 MOTOR VEHICLE METAL STAMPING

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336370 MOTOR VEHICLE METAL STAMPING

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

33639 OTHER MOTOR VEHICLE PARTS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

336391 MOTOR VEHICLE AIR-CONDITIONING MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

336399 ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

3364 AEROSPACE PRODUCT AND PARTS MANUFACTURING

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

1. Manufacturing complete aircraft, missiles, or space vehicles;
2. Manufacturing aerospace engines, propulsion units, auxiliary equipment or parts;
3. Developing and making prototypes of aerospace products;
4. Aircraft conversion (i.e., major modifications to systems); and
5. Complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

33641 AEROSPACE PRODUCT AND PARTS MANUFACTURING

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

1. manufacturing complete aircraft, missiles, or space vehicles;
2. manufacturing aerospace engines, propulsion units, auxiliary equipment or parts;
3. developing and making prototypes of aerospace products;
4. aircraft conversion (i.e., major modifications to systems); and
5. complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336411 AIRCRAFT MANUFACTURING

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

1. manufacturing or assembling complete aircraft;
2. developing and making aircraft prototypes;
3. aircraft conversion (i.e., major modifications to systems); and
4. complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336412 AIRCRAFT ENGINE AND ENGINE PARTS MANUFACTURING

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

1. manufacturing aircraft engines and engine parts;
2. developing and making prototypes of aircraft engines and engine parts;
3. aircraft propulsion system conversion (i.e., major modifications to systems); and
4. aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

336413 OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

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

1. manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or
2. developing and making prototypes of aircraft parts and auxiliary equipment.

Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

336414 GUIDED MISSILE AND SPACE VEHICLE MANUFACTURING

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

1. manufacturing complete guided missiles and space vehicles and/or
2. developing and making prototypes of guided missile or space vehicles.

336415 GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNIT AND PROPULSION UNIT PARTS MANUFACTURING

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

1. manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or

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2. developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

336419 OTHER GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT MANUFACTURING

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

1. manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or
2. developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

3365 RAILROAD ROLLING STOCK MANUFACTURING

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

1. Manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. Manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. Manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

33651 RAILROAD ROLLING STOCK MANUFACTURING

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

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

336510 RAILROAD ROLLING STOCK MANUFACTURING

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

1. manufacturing and/or rebuilding locomotives, locomotive frames, and parts;
2. manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and
3. manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

3366 SHIP AND BOAT BUILDING

This industry group comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

33661 SHIP AND BOAT BUILDING

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for

other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336611 SHIP BUILDING AND REPAIRING

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336612 BOAT BUILDING

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

3369 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

33699 OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

336991 MOTORCYCLE, BICYCLE, AND PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment, and parts.

336992 MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

336999 ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, and armored vehicles and tanks).

337 FURNITURE AND RELATED PRODUCT MANUFACTURING

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for

furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knockdown). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 HOUSEHOLD AND INSTITUTIONAL FURNITURE AND KITCHEN CABINET MANUFACTURING

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen and bedroom furniture and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

33711 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337110 WOOD KITCHEN CABINET AND COUNTERTOP MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

33712 HOUSEHOLD AND INSTITUTIONAL FURNITURE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337121 UPHOLSTERED HOUSEHOLD FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

337122 NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337124 METAL HOUSEHOLD FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337125 HOUSEHOLD FURNITURE (EXCEPT WOOD AND METAL) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed, rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337127 INSTITUTIONAL FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337129 WOOD TELEVISION, RADIO, AND SEWING MACHINE CABINET MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

3372 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING

This industry group comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

33721 OFFICE FURNITURE (INCLUDING FIXTURES) MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337211 WOOD OFFICE FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337212 CUSTOM ARCHITECTURAL WOODWORK AND MILLWORK MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

337214 OFFICE FURNITURE (EXCEPT WOOD) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337215 SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

337211 WOOD OFFICE FURNITURE MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337214 OFFICE FURNITURE (EXCEPT WOOD) MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

3379 OTHER FURNITURE RELATED PRODUCT MANUFACTURING

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

33791 MATTRESS MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337910 MATTRESS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

33792 BLIND AND SHADE MANUFACTURING

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

337920 BLIND AND SHADE MANUFACTURING

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

-
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

CONNECTICUT

All **Balance of Metropolitan Areas (MAs)** shown in 1997 have been converted to Balance of County records.

East Windsor is no longer tabulated separately due to a population decrease. This area is included in the Balance of Hartford County.

Granby is now tabulated separately due to a population increase. It was included in a Balance of MA record in 1997.

Groton town (balance) contains all of Groton except Groton city.

Killingly (balance) contains all of Killingly except Danielson.

Milford (consolidated city) is coextensive with Milford. It includes Woodmont, which is not populous enough for separate tabulation. Therefore, "Milford" refers to the whole consolidated city.

Old Saybrook is now tabulated separately due to a population increase. It was included in a Balance of MA record in 1997.

Somers is now tabulated separately due to a population increase. It was included in a Balance of MA record in 1997.

Weston is now tabulated separately due to a population increase. It was included in a Balance of MA record in 1997.

Appendix E.

Metropolitan and Micropolitan Statistical Areas

HARTFORD-WEST HARTFORD-WILLIMANTIC, CT COMBINED STATISTICAL AREA

Hartford-West Hartford-East Hartford, CT Metropolitan Statistical Area

Hartford County, CT

Middlesex County, CT

Tolland County, CT

Willimantic, CT Micropolitan Statistical Area

Windham County, CT

NEW YORK-NEWARK-BRIDGEPORT, NY-NJ-CT-PA COMBINED STATISTICAL AREA

Bridgeport-Stamford-Norwalk, CT Metropolitan Statistical Area

Fairfield County, CT

Kingston, NY Metropolitan Statistical Area

Ulster County, NY

New Haven-Milford, CT Metropolitan Statistical Area

New Haven County, CT

New York-Newark-Edison, NY-NJ-PA Metropolitan Statistical Area

Edison, NJ Metropolitan Division

Middlesex County, NJ

Monmouth County, NJ

Ocean County, NJ

Somerset County, NJ

Newark-Union, NJ-PA Metropolitan Division

Essex County, NJ

Hunterdon County, NJ

Morris County, NJ

Sussex County, NJ

Union County, NJ

Pike County, PA

New York-Wayne-White Plains, NY-NJ Metropolitan Division

Bergen County, NJ

Hudson County, NJ

Passaic County, NJ
Bronx County, NY
Kings County, NY
New York County, NY
Putnam County, NY
Queens County, NY
Richmond County, NY
Rockland County, NY
Westchester County, NY

Suffolk County-Nassau County, NY Metropolitan Division

Suffolk County, NY
Nassau County, NY

Poughkeepsie-Newburgh-Middletown, NY Metropolitan Statistical Area

Dutchess County, NY
Orange County, NY

Torrington, CT Micropolitan Statistical Area

Litchfield County, CT

Trenton-Ewing, NJ Metropolitan Statistical Area

Mercer County, NJ

NORWICH-NEW LONDON, CT METROPOLITAN STATISTICAL AREA

New London County, CT

