

Value of Product Shipments: 2003

Issued March 2005

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Annual Survey of Manufactures



U S C E N S U S B U R E A U

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-- Not applicable for this report.

Annual Survey of Manufactures

SCOPE

The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employees. 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. This report presents manufacturing establishment statistics from the 2003 ASM.

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 of these 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 North American Industry Classification System (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 within the North American Industry Classification System (NAICS) 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. For clarification purposes, the following activities are considered manufacturing in NAICS: milk bottling and pasteurizing; water bottling and processing; fresh fish packaging (oyster shucking, fish filleting, and etc.); 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 the North American Industry Classification System (NAICS) are classified in another sector. These activities include logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting, which 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, are 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 the manufacturing 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 headquarter 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.

Definitions. Terms are defined in Appendix A, Explanation of Terms.

REPORTS

The Annual Survey of Manufactures (ASM) consists of manufacturing establishment statistics from the 2003 ASM and revised 2002 Economic Census — Manufacturing data. Three reports are issued from this survey. Each of the following ASM reports provide sample estimates of statistics on all manufacturing establishments with one or more paid employees.

AS-1 — Statistics for Industry Groups and Industries. This report presents manufacturing establishment statistics for industry groups and industries from the Annual Survey of Manufactures (ASM). This ASM report presents 2002 and 2003 data at the three-, four-, and five-digit North American Industry Classification System (NAICS) levels, and additional detail corresponding to individual six-digit NAICS industries or groups of six-digit NAICS industries. The 2002 data are from the 2002 Economic Census — Manufacturing and include revisions made to the data since its initial release. This report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, inventories by stage of fabrication, value of shipments, detailed miscellaneous receipts, and interplant transfers.

AS-2 — Value of Product Shipments. This report presents value of product shipments from the Annual Survey of Manufactures (ASM). This ASM report presents 2002 and 2003 shipments data for the 473 six-digit North American Industry Classification System (NAICS) product groups, 1,450 seven-digit NAICS product classes, and products primary to more than one industry.

AS-3 — Geographic Area Statistics. This report presents similar statistics at the “all manufacturing” level for the United States, each state, and the District of Columbia. This Annual Survey of Manufactures (ASM) report presents 2002 and 2003 data at the three- and four-digit North American Industry Classification System (NAICS) levels for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are also presented at the US and state levels.

Other reports. Data for this sector are also included in the 2002 Economic Census — Manufacturing and 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

1. The United States as a whole.
2. States and the District of Columbia.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2003 data are expressed in 2003 dollars, and 2002 data in 2002 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 2003 AND PRIOR YEARS ANNUAL SURVEY OF MANUFACTURES

The 2003 Annual Survey of Manufactures (ASM) and prior years present data based on the North American Industry Classification System (NAICS). While there were NAICS revisions to selected industries for the 2002 Economic Census, this sector was not affected by those revisions.

However, for the historical data, the adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census — Manufacturing has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used prior to 1997.

While most of the changes affecting the manufacturing sector were changes within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those industries that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an Standard Industrial Classification (SIC) basis, it would be approximately 3 percent higher.

Another change resulting from the conversion to the North American Industry Classification System (NAICS) is that data for auxiliaries and central administrative offices (CAOs) associated with manufacturers are not presented with the manufacturing data.

It should also be noted that while the Census Bureau published “new capital expenditures” in the past, starting with the 1997 Economic Census — Manufacturing, the Census Bureau began publishing “total capital expenditures.” The historic data presented in this report have been adjusted to be consistent with the new policy.

For 2003, there have been several additional data tables added which did not exist in prior Annual Survey of Manufactures (ASM) publications. These tables for 2003 include value of shipments for industry groups and industries and products primary to more than one industry. Also for the AS-1, tables 2 through 7, a new industry grouping (North American Industry Classification System (NAICS) five-digit) will be published for certain industries. These groupings correspond to two or more individual six-digit NAICS industries within that five-digit NAICS Classification. The ASM industry groupings descriptions can be found in Appendix B, NAICS Codes, Titles, and Descriptions. The comparability tables can be found in Appendix F, Comparability of NAICS Codes and NAICS based Codes: 2002 to 2003.

RELIABILITY OF DATA

All data compiled for the manufacturing sector are subject to sampling errors as well as 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.

No direct measurement of these effects has been obtained except for estimation for missing or misreported data shown as percentages 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 non-sampling 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 and vice versa.

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, which is collected for years ending in 2 and 7. 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 — Manufacturing. 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 sub-state geographic data. In addition to the Economic Census — Manufacturing, 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 inventory statistics for manufacturing industries at the U.S. level.

In addition, the County Business Patterns (CBP) 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 and 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
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
r	Revised
nsk	Not specified by kind
–	Represents zero (page image/print only)

Table 1. Value of Shipments for Product Classes: 2003 and 2002

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311111	Dog and cat food manufacturing	2003..	10 707 651	3
		2002..	9 784 304	X
3111111	Dog food	2003..	7 144 701	4
		2002..	5 975 051	X
3111114	Cat food	2003..	3 291 685	2
		2002..	3 541 476	X
311111W	Dog and cat food manufacturing, nsk, total	2003..	271 265	7
		2002..	267 777	X
311119	Other animal food manufacturing	2003..	15 995 531	3
		2002..	15 845 289	X
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	2003..	5 945 886	2
		2002..	5 325 527	X
3111194	Dairy cattle feed, complete	2003..	1 741 259	5
		2002..	1 621 456	X
3111197	Dairy cattle feed supplements, concentrates, and premixes	2003..	985 803	12
		2002..	973 643	X
311119A	Swine feed, complete	2003..	1 003 785	8
		2002..	533 191	X
311119D	Swine feed supplements, concentrates, and premixes	2003..	703 194	5
		2002..	571 830	X
311119G	Beef cattle feed, complete	2003..	570 548	35
		2002..	617 001	X
311119J	Beef cattle feed supplements, concentrates, and premixes	2003..	574 308	27
		2002..	636 915	X
311119M	Other poultry and livestock feed	2003..	737 951	27
		2002..	810 973	X
311119P	Other prepared animal feeds, including feeding materials and adjuncts	2003..	852 048	6
		2002..	659 443	X
311119R	Specialty feeds	2003..	1 493 664	7
		2002..	1 037 081	X
311119W	Other animal food manufacturing, nsk, total	2003..	1 387 084	18
		2002..	3 058 229	X
311211	Flour milling	2003..	7 258 504	1
		2002..	6 736 639	X
3112111	Wheat flour (except flour mixes), made in flour mills	2003..	4 604 077	1
		2002..	4 324 988	X
3112114	Wheat mill products, except flour	2003..	527 236	4
		2002..	495 977	X
3112117	Corn mill products	2003..	1 047 223	4
		2002..	940 807	X
311211A	Prepared flour mixes, including refrigerated and frozen doughs and batters, made in flour mills ²	2003..	555 522	1
		2002..	565 584	X
311211B	Other grain mill products	2003..	283 477	1
		2002..	238 252	X
311211W	Flour milling, nsk, total	2003..	240 969	1
		2002..	171 031	X
311212	Rice milling	2003..	1 615 159	2
		2002..	1 664 652	X
3112120	Rice milling	2003..	1 615 159	2
		2002..	1 664 652	X
311213	Malt manufacturing	2003..	528 613	1
		2002..	494 011	X
3112130	Malt	2003..	528 613	1
		2002..	494 011	X
311221	Wet corn milling	2003..	6 952 595	2
		2002..	6 857 302	X
3112211	Corn sweeteners	2003..	3 279 712	3
		2002..	3 106 601	X
3112214	Manufactured starch	2003..	1 393 391	1
		2002..	1 696 085	X
3112218	Corn oil ³	2003..	542 219	1
		2002..	347 827	X
311221A	Wet process corn byproducts	2003..	1 270 201	4
		2002..	1 246 354	X
311221W	Wet corn milling, nsk, total	2003..	467 073	1
		2002..	460 435	X
311222	Soybean processing	2003..	13 650 762	1
		2002..	10 833 935	X
3112221	Soybean oil ³	2003..	4 010 801	1
		2002..	2 745 728	X
3112224	Soybean cake, meal, and other byproducts ³	2003..	9 431 447	2
		2002..	7 955 369	X
311222W	Soybean processing, nsk, total	2003..	208 515	1
		2002..	132 838	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311223	Other oilseed processing	2003..	1 389 164	3
		2002..	1 309 321	X
3112231	Crude cottonseed oil ³	2003..	71 529	30
		2002..	104 458	X
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ³	2003..	176 973	15
		2002..	165 746	X
3112237	Cotton linters ³	2003..	47 253	9
		2002..	62 138	X
311223A	Cottonseed cake and meal and other byproducts ³	2003..	281 061	4
		2002..	286 330	X
311223D	Linseed oil ³	2003..	37 540	1
		2002..	D	X
311223G	Other vegetable oils ³	2003..	630 119	3
		2002..	514 009	X
311223J	Other vegetable oil mill products ³	2003..	142 683	1
		2002..	D	X
311223W	Other oilseed processing, nsk, total	2003..	2 007	4
		2002..	2 619	X
311225	Fats and oils refining and blending	2003..	8 645 601	2
		2002..	8 437 004	X
3112252	Shortening and cooking oils ³	2003..	7 065 562	2
		2002..	6 681 530	X
3112254	Margarine, butter blends, and butter substitutes ³	2003..	1 205 638	4
		2002..	1 321 386	X
311225W	Fats and oils refining and blending, nsk, total	2003..	374 402	11
		2002..	434 088	X
311230	Breakfast cereal manufacturing	2003..	8 583 015	1
		2002..	7 832 992	X
3112301	Ready-to-serve breakfast cereal foods (except infant cereals)	2003..	7 345 740	1
		2002..	7 102 823	X
3112304	Other breakfast cereal foods	2003..	928 980	6
		2002..	621 930	X
311230W	Breakfast cereal manufacturing, nsk, total	2003..	308 295	1
		2002..	108 239	X
311311	Sugarcane mills	2003..	1 843 563	1
		2002..	1 663 551	X
3113110	Raw cane sugar	2003..	1 843 563	1
		2002..	1 663 551	X
311312	Cane sugar refining	2003..	2 816 842	1
		2002..	2 656 775	X
3113120	Refined granulated cane sugar and by-products	2003..	2 816 842	1
		2002..	2 656 775	X
311313	Beet sugar manufacturing	2003..	2 729 114	16
		2002..	2 206 922	X
3113130	Beet sugar	2003..	2 729 114	16
		2002..	2 206 922	X
311320	Chocolate and confectionery manufacturing from cacao beans	2003..	3 854 134	3
		2002..	4 005 215	X
3113201	Chocolate coatings, made from cacao beans ³	2003..	811 097	1
		2002..	711 658	X
3113204	Chocolate and chocolate-type confectionery products, made from cacao beans ⁴	2003..	1 674 214	1
		2002..	2 028 528	X
3113207	Other chocolate and cocoa products, made from cacao beans ³	2003..	1 259 400	8
		2002..	1 161 045	X
311320W	Chocolate and confectionery manufacturing from cacao beans, nsk, total	2003..	109 424	1
		2002..	103 984	X
311330	Confectionery manufacturing from purchased chocolate	2003..	8 228 775	1
		2002..	7 633 688	X
3113301	Chocolate and chocolate-type confectionery products, made from purchased chocolate not retailed at manufacturing establishment ⁴	2003..	7 315 301	1
		2002..	6 896 304	X
3113302	Chocolate and chocolate-type confectionery products, made from purchased chocolate retailed at manufacturing establishment ²	2003..	281 805	2
		2002..	225 335	X
311330W	Confectionery manufacturing from purchased chocolate, nsk, total	2003..	631 669	4
		2002..	512 049	X
311340	Nonchocolate confectionery manufacturing	2003..	6 770 949	1
		2002..	6 615 124	X
3113401	Nonchocolate-type confectionery products, made and packaged for shipment not retailed at manufacturing establishment ³	2003..	4 461 762	1
		2002..	4 308 464	X
3113402	Nonchocolate-type confectionery products made from purchased chocolate retailed at manufacturing establishment	2003..	92 658	4
		2002..	99 448	X
3113404	Chewing gum, bubble gum, and chewing gum base ³	2003..	1 747 491	1
		2002..	1 738 964	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311340	Nonchocolate confectionery manufacturing—Con.			
3113407	Other confectionery-type products	2003..	214 835	3
		2002..	239 914	X
311340W	Nonchocolate confectionery manufacturing, nsk, total	2003..	254 203	4
		2002..	228 334	X
311411	Frozen fruit, juice, and vegetable manufacturing	2003..	8 901 377	1
		2002..	8 679 817	X
3114111	Frozen fruits, juices, ades, drinks, and cocktails	2003..	2 271 291	1
		2002..	2 446 828	X
3114114	Frozen vegetables	2003..	6 307 207	1
		2002..	5 803 345	X
311411W	Frozen fruit, juice, and vegetable manufacturing, nsk, total	2003..	322 879	21
		2002..	429 644	X
311412	Frozen specialty food manufacturing	2003..	12 827 012	1
		2002..	12 351 134	X
3114121	Frozen dinners (beef, pork, and poultry pies) and nationality foods	2003..	8 527 416	1
		2002..	8 362 236	X
3114124	Other frozen specialties	2003..	3 264 614	2
		2002..	2 940 795	X
311412W	Frozen specialty food manufacturing, nsk, total	2003..	1 034 982	2
		2002..	1 048 103	X
311421	Fruit and vegetable canning	2003..	17 910 582	3
		2002..	18 767 941	X
3114211	Canned fruits, except baby foods	2003..	2 401 270	1
		2002..	2 127 937	X
3114214	Canned vegetables, except hominy and mushrooms	2003..	1 844 875	12
		2002..	2 775 443	X
3114217	Canned hominy and mushrooms	2003..	151 629	1
		2002..	142 115	X
311421A	Canned vegetable juices	2003..	578 294	1
		2002..	601 700	X
311421D	Canned catsup and other tomato based sauces	2003..	3 984 957	2
		2002..	4 273 116	X
311421G	Canned jams, jellies, and preserves	2003..	1 087 099	1
		2002..	1 170 649	X
311421J	Canned fruit juices, nectars, and concentrates	2003..	3 640 880	2
		2002..	3 283 334	X
311421M	Fresh fruit juices and nectars	2003..	1 815 239	7
		2002..	1 729 920	X
311421P	Pickles and other pickled products	2003..	1 071 022	49
		2002..	1 475 140	X
311421W	Fruit and vegetable canning, nsk, total	2003..	1 335 318	9
		2002..	1 188 587	X
311422	Specialty canning	2003..	6 989 748	3
		2002..	6 593 010	X
3114221	Canned baby foods, except cereal and biscuits	2003..	D	S
		2002..	810 251	X
3114224	Canned soups and stews, except frozen and seafood	2003..	3 504 034	1
		2002..	3 316 050	X
3114227	Canned dry beans	2003..	1 137 969	S
		2002..	976 059	X
311422B	Other canned specialties and nationality foods	2003..	D	S
		2002..	776 119	X
311422W	Specialty canning, nsk, total	2003..	391 790	16
		2002..	714 531	X
311423	Dried and dehydrated food manufacturing	2003..	4 295 282	8
		2002..	4 546 457	X
3114231	Soup mixes (including oriental, dried and dehydrated, and freeze-dried) and bouillon	2003..	948 586	2
		2002..	1 077 242	X
3114235	Dried and dehydrated fruits and vegetables, including freeze-dried	2003..	2 700 236	11
		2002..	2 504 614	X
3114237	Macaroni and noodle products, purchased, packaged with other ingredients mitse, except canned or frozen	2003..	117 270	1
		2002..	129 457	X
3114238	Other purchased products packaged with dried and dehydrated ingredients mitse	2003..	388 183	4
		2002..	394 989	X
311423W	Dried and dehydrated food manufacturing, nsk, total	2003..	S	S
		2002..	440 155	X
311511	Fluid milk manufacturing	2003..	22 224 537	1
		2002..	21 644 978	X
3115111	Fluid milk and cream, bulk sales	2003..	3 507 166	2
		2002..	3 715 643	X
3115115	Fluid milk and related products, packaged (including cartons, bottles, cans, and dispenser cans), except U.H.T.	2003..	12 583 866	1
		2002..	12 164 224	X
3115117	Cottage cheese (including bakers', pot, and farmers' cheese)	2003..	691 365	7
		2002..	770 882	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311511	Fluid milk manufacturing—Con.		
311511A	Yogurt, except frozen	2003.. 2 395 580	3
	2002.. 2 162 718	X	
311511D	Perishable dairy product substitutes	2003.. 772 201	11
	2002.. 766 216	X	
311511G	Other packaged milk products	2003.. 1 582 508	4
	2002.. 1 467 567	X	
311511W	Fluid milk manufacturing, nsk, total	2003.. 691 850	8
	2002.. 597 728	X	
311512	Creamery butter manufacturing	2003.. 1 873 218	5
	2002.. 1 996 863	X	
3115120	Creamery butter manufacturing	2003.. 1 873 218	5
	2002.. 1 996 863	X	
311513	Cheese manufacturing	2003.. 21 053 898	1
	2002.. 20 042 934	X	
3115131	Natural cheese (cheddar, Swiss, Italian, brick, cream, grated, dried, etc.), except cottage cheese	2003.. 14 690 046	2
	2002.. 13 719 763	X	
3115134	Process cheese and related products	2003.. 5 209 051	3
	2002.. 5 160 468	X	
3115137	Cheese substitutes and imitations	2003.. 463 996	2
	2002.. 489 267	X	
311513A	Raw liquid whey	2003.. 113 892	6
	2002.. 118 285	X	
311513W	Cheese manufacturing, nsk, total	2003.. 576 914	8
	2002.. 555 151	X	
311514	Dry, condensed, and evaporated dairy product manufacturing	2003.. 9 735 003	1
	2002.. 9 750 215	X	
3115141	Dry milk products and mixtures	2003.. 4 277 154	1
	2002.. 4 191 750	X	
3115145	Milk products, shipped in consumer-type cans, except substitutes	2003.. 2 143 730	1
	2002.. 2 117 680	X	
3115147	Concentrated milk products, shipped in bulk (barrels, drums, and tanks)	2003.. 559 933	16
	2002.. 558 277	X	
311514A	Ice cream mixes and related products	2003.. 866 860	6
	2002.. 871 351	X	
311514D	Dairy product substitutes	2003.. 1 730 745	1
	2002.. 1 890 117	X	
311514W	Dry, condensed, and evaporated dairy product manufacturing, nsk, total	2003.. 156 581	12
	2002.. 121 040	X	
311520	Ice cream and frozen dessert manufacturing	2003.. 7 201 847	3
	2002.. 7 784 683	X	
3115200	Ice cream and frozen dessert manufacturing	2003.. 7 201 847	3
	2002.. 7 784 683	X	
311611	Animal (except poultry) slaughtering	2003.. 60 810 116	1
	2002.. 54 001 300	X	
3116111	Beef, not canned or made into sausage, made in slaughtering plants	2003.. 37 438 885	1
	2002.. 32 145 346	X	
3116114	Veal, not canned or made into sausage, made in slaughtering plants	2003.. 489 347	1
	2002.. 476 889	X	
3116117	Lamb and mutton, not canned or made into sausage, made in slaughtering plants	2003.. 296 440	3
	2002.. 281 392	X	
311611A	Pork, not canned or made into sausage, made in slaughtering plants	2003.. 12 630 715	1
	2002.. 12 140 264	X	
311611D	Lard, made in slaughtering plants	2003.. 67 519	1
	2002.. 43 679	X	
311611G	Pork, processed or cured, not canned or made into sausage, made in slaughtering plants ²	2003.. 2 217 026	5
	2002.. 2 273 712	X	
311611J	Sausage and similar products, except canned, made in slaughtering plants ²	2003.. 2 295 302	4
	2002.. 2 006 968	X	
311611M	Canned meats (except dog, cat, and baby food), made in slaughtering plants ²	2003.. 195 077	8
	2002.. 169 049	X	
311611P	Hides, skins, and pelts, made in slaughtering plants	2003.. 2 200 527	2
	2002.. 1 950 652	X	
311611R	Miscellaneous byproducts of slaughtering plants	2003.. 1 311 077	2
	2002.. 957 648	X	
311611W	Animal (except poultry) slaughtering, nsk, total	2003.. 1 668 201	3
	2002.. 1 555 701	X	

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311612	Meat processed from carcasses	2003..	26 710 335	1
		2002..	24 114 584	X
3116121	Pork, processed or cured, not canned or made into sausage, made from purchased carcasses ²	2003..	6 099 242	3
		2002..	5 228 805	X
3116124	Sausage and similar products, except canned, made from purchased carcasses ²	2003..	6 995 433	1
		2002..	6 453 289	X
3116127	Canned meats (except dog, cat, and baby food), made from purchased carcasses ²	2003..	1 355 789	3
		2002..	1 148 081	X
311612A	Other processed, frozen, or cooked meats, made from purchased carcasses	2003..	11 259 407	1
		2002..	10 368 329	X
311612W	Meat processed from carcasses, nsk, total	2003..	1 000 464	2
		2002..	916 080	X
311613	Rendering and meat byproduct processing	2003..	3 200 201	3
		2002..	2 793 258	X
3116131	Lard and other greases, except wool grease ³	2003..	1 227 089	5
		2002..	878 762	X
3116135	Animal and marine feed and fertilizer byproducts ³	2003..	1 913 876	4
		2002..	1 863 465	X
311613W	Rendering and meat byproduct processing, nsk, total	2003..	59 236	12
		2002..	51 031	X
311615	Poultry processing	2003..	38 795 258	1
		2002..	37 104 826	X
3116151	Young chickens (usually under 20 weeks of age), including bulk, chilled, frozen, whole, and parts	2003..	24 837 914	1
		2002..	24 024 163	X
3116154	Hens and fowl, including frozen, whole, and parts	2003..	407 036	10
		2002..	281 293	X
3116157	Turkeys, including frozen, whole, and parts	2003..	4 055 524	2
		2002..	3 619 753	X
311615A	Other poultry and small game, including frozen, whole, and parts	2003..	305 203	8
		2002..	226 549	X
311615D	Processed poultry and small game (except soups), containing 20 percent or more poultry or meat	2003..	8 953 829	1
		2002..	8 735 931	X
311615W	Poultry processing, nsk, total	2003..	235 753	3
		2002..	217 137	X
311711	Seafood canning	2003..	1 219 560	8
		2002..	1 367 617	X
3117110	Seafood canning	2003..	1 219 560	8
		2002..	1 367 617	X
311712	Fresh and frozen seafood processing	2003..	7 180 971	3
		2002..	6 932 783	X
3117121	Prepared fresh fish and other fresh seafood	2003..	1 645 403	10
		2002..	1 246 176	X
3117122	Prepared frozen fish	2003..	2 446 737	2
		2002..	2 512 965	X
3117123	Prepared frozen shellfish	2003..	1 409 730	8
		2002..	1 679 782	X
3117124	Other prepared fresh and frozen seafood	2003..	1 020 148	6
		2002..	879 583	X
311712W	Fresh and frozen seafood processing, nsk, total	2003..	658 953	10
		2002..	614 277	X
311811	Retail bakeries	2003..	2 575 946	4
		2002..	2 382 994	X
3118110	Retail bakery products	2003..	2 575 946	4
		2002..	2 382 994	X
311812	Commercial bakeries	2003..	20 111 245	2
		2002..	21 410 804	X
3118121	Bread (white, wheat, rye, etc.), including frozen	2003..	7 578 763	4
		2002..	7 978 287	X
3118125	Rolls (bread-type), muffins, bagels, and croissants	2003..	5 176 959	2
		2002..	5 805 145	X
3118127	Soft cakes, except frozen	2003..	2 531 953	9
		2002..	2 375 948	X
311812A	Pies (fruit, cream, and custard), except frozen	2003..	408 612	3
		2002..	462 402	X
311812D	Other sweet goods, except frozen	2003..	2 002 154	6
		2002..	2 269 524	X
311812W	Commercial bakeries, nsk, total	2003..	2 412 805	5
		2002..	2 519 498	X
311813	Frozen cakes, pies, and other pastries manufacturing	2003..	3 788 302	5
		2002..	3 859 917	X
3118130	Frozen bakery product manufacturing	2003..	3 788 302	5
		2002..	3 859 917	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311821	Cookie and cracker manufacturing	2003..	9 698 212	3
		2002..	9 375 485	X
3118212	Crackers, biscuits, and related products	2003..	4 321 275	4
		2002..	3 767 729	X
3118214	Cookies, wafers, and ice cream cones and cups (except frozen)	2003..	5 031 439	5
		2002..	4 971 593	X
311821W	Cookie and cracker manufacturing, nsk, total	2003..	345 499	33
		2002..	636 163	X
311822	Flour mixes and dough manufacturing from purchased flour	2003..	5 030 682	1
		2002..	4 543 605	X
3118220	Prepared flour mixes (including refrigerated and frozen doughs and batters), made from purchased flour ²	2003..	5 030 682	1
		2002..	4 543 605	X
311823	Dry pasta manufacturing	2003..	2 037 014	1
		2002..	1 634 801	X
3118230	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen)	2003..	2 037 014	1
		2002..	1 634 801	X
311830	Tortilla manufacturing	2003..	1 453 885	4
		2002..	1 373 649	X
3118300	Tortillas sold in bulk or packages, not frozen or canned	2003..	1 453 885	4
		2002..	1 373 649	X
311911	Roasted nuts and peanut butter manufacturing	2003..	5 098 552	2
		2002..	4 936 707	X
3119111	Nuts and seeds (salted, roasted, cooked, or blanched)	2003..	3 790 437	3
		2002..	3 766 266	X
3119114	Peanut butter	2003..	1 151 780	1
		2002..	992 486	X
311911W	Roasted nuts and peanut butter manufacturing, nsk, total	2003..	156 335	4
		2002..	177 955	X
311919	Other snack food manufacturing	2003..	12 800 323	1
		2002..	12 444 086	X
3119191	Potato chips and sticks, plain and flavored	2003..	4 909 119	2
		2002..	4 876 975	X
3119194	Corn chips and related products	2003..	5 442 829	1
		2002..	5 616 568	X
3119197	Other chips, sticks (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	2003..	1 855 128	1
		2002..	1 748 765	X
311919W	Other snack food manufacturing, nsk, total	2003..	593 247	1
		2002..	201 778	X
311920	Coffee and tea manufacturing	2003..	5 452 230	1
		2002..	5 179 716	X
3119201	Roasted coffee	2003..	3 788 869	2
		2002..	3 592 114	X
3119205	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrated, mixtures, etc.), and coffee substitutes	2003..	709 583	1
		2002..	590 034	X
3119207	Tea in consumer packages	2003..	823 723	2
		2002..	853 994	X
311920W	Coffee and tea manufacturing, nsk, total	2003..	130 055	8
		2002..	143 574	X
311930	Flavoring syrup and concentrate manufacturing	2003..	9 713 742	2
		2002..	9 526 060	X
3119301	Liquid beverage bases not for use by soft drink bottlers	2003..	767 311	10
		2002..	521 673	X
3119304	Liquid beverage bases, concentrates and syrups, for sale by soft drink bottlers, to trade or nonbottler distributors	2003..	3 873 750	1
		2002..	3 943 655	X
3119305	Soft drink flavoring syrup sold in bulk	2003..	928 502	7
		2002..	938 358	X
3119308	Other flavoring agents (except chocolate syrups)	2003..	4 004 859	1
		2002..	3 773 890	X
311930W	Flavoring syrup and concentrate manufacturing, nsk, total	2003..	139 320	71
		2002..	348 484	X
311941	Mayonnaise, dressing, and other prepared sauce manufacturing	2003..	5 196 034	1
		2002..	5 055 678	X
3119411	Vinegar and cider	2003..	347 857	4
		2002..	336 645	X
3119414	Prepared sauces, except tomato	2003..	1 829 357	2
		2002..	1 707 194	X
3119417	Mayonnaise, salad dressings, and sandwich spreads	2003..	2 762 493	1
		2002..	2 755 487	X
311941W	Mayonnaise, dressing, and other prepared sauce manufacturing, nsk, total	2003..	256 327	2
		2002..	256 352	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
311942	Spice and extract manufacturing	2003..	5 666 165	2
		2002..	5 375 228	X
3119421	Table salt (evaporated), pepper (white and black), and other spices	2003..	2 188 987	3
		2002..	2 045 193	X
3119425	Flavoring extracts, emulsions, and other liquid flavors and food colorings (except synthetic)	2003..	1 820 906	2
		2002..	1 471 322	X
3119427	Dry mix food preparations	2003..	1 593 273	3
		2002..	1 635 202	X
311942W	Spice and extract manufacturing, nsk, total	2003..	62 999	82
		2002..	223 511	X
311991	Perishable prepared food manufacturing	2003..	5 311 698	4
		2002..	5 273 253	X
3119910	Perishable prepared food manufacturing	2003..	5 311 698	4
		2002..	5 273 253	X
311999	All other miscellaneous food manufacturing	2003..	13 210 840	3
		2002..	10 883 412	X
3119991	Desserts (ready-to-mix)	2003..	560 127	2
		2002..	630 306	X
3119994	Sweetening syrups and molasses	2003..	476 013	2
		2002..	513 167	X
3119997	Baking powder and yeast	2003..	322 225	13
		2002..	363 344	X
311999B	Packaging purchased macaroni and noodle products with other purchased ingredients	2003..	1 465 603	14
		2002..	1 210 708	X
311999G	Egg processing	2003..	1 586 958	2
		2002..	1 441 539	X
311999J	Flavoring powders, tablets, and paste (including dry mix cocktails)	2003..	1 686 660	1
		2002..	1 807 350	X
311999P	Other food preparations	2003..	2 527 304	3
		2002..	2 104 481	X
311999W	All other miscellaneous food manufacturing, nsk, total	2003..	4 585 952	5
		2002..	2 812 517	X
312111	Soft drink manufacturing	2003..	29 881 076	3
		2002..	29 142 222	X
3121111	Bottled carbonated soft drinks	2003..	9 879 810	6
		2002..	10 592 948	X
3121114	Canned carbonated soft drinks	2003..	8 951 946	3
		2002..	8 878 383	X
312111A	Non-carbonated soft drinks	2003..	7 472 002	1
		2002..	6 196 738	X
312111W	Soft drink manufacturing, nsk, total	2003..	3 577 318	12
		2002..	3 474 153	X
312112	Bottled water manufacturing	2003..	3 300 572	4
		2002..	2 577 270	X
3121120	Bottled water manufacturing	2003..	3 300 572	4
		2002..	2 577 270	X
312113	Ice manufacturing	2003..	677 500	6
		2002..	590 048	X
3121130	Ice manufacturing	2003..	677 500	6
		2002..	590 048	X
312120	Breweries	2003..	19 185 129	1
		2002..	17 789 150	X
3121201	Canned beer and ale case goods	2003..	9 418 268	1
		2002..	9 221 705	X
3121204	Bottled beer and ale case goods	2003..	7 055 346	1
		2002..	6 737 874	X
3121207	Beer and ale in barrels and kegs	2003..	1 111 057	1
		2002..	1 084 752	X
3121209	All other malt beverages and brewing products	2003..	1 127 811	2
		2002..	321 335	X
312120W	Breweries, nsk, total	2003..	472 648	2
		2002..	423 484	X
312130	Wineries	2003..	8 693 758	2
		2002..	9 023 449	X
3121300	Wine, brandy, and brandy spirits	2003..	8 693 758	2
		2002..	9 023 449	X
312140	Distilleries	2003..	4 029 457	1
		2002..	4 212 052	X
3121402	Distilled liquor, except brandy	2003..	1 056 892	5
		2002..	968 543	X
3121404	Bottled liquor, except brandy	2003..	2 798 675	1
		2002..	3 088 267	X
312140W	Distilleries, nsk, total	2003..	173 890	10
		2002..	155 242	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
312210	Tobacco stemming and redrying	2003..	912 785	1
		2002..	1 051 107	X
3122101	Unstemmed leaf tobacco, redried before packing	2003..	124 402	1
		2002..	123 230	X
3122104	Tobacco, stemmed	2003..	497 794	1
		2002..	639 289	X
312210W	Tobacco stemming and redrying, nsk, total	2003..	290 589	1
		2002..	288 588	X
312221	Cigarette manufacturing	2003..	33 312 835	1
		2002..	33 723 543	X
3122210	Cigarettes, including nontobacco cigarettes	2003..	33 312 835	1
		2002..	33 723 543	X
312229	Other tobacco product manufacturing	2003..	4 247 851	1
		2002..	4 099 864	X
3122291	Cigars	2003..	D	S
		2002..	D	X
3122294	Chewing and smoking tobacco	2003..	2 555 750	1
		2002..	2 462 929	X
3122297	Reconstituted tobacco (processed sheet and homogenized)	2003..	D	S
		2002..	D	X
312229W	Other tobacco product manufacturing, nsk, total	2003..	228 202	1
		2002..	234 032	X
313111	Yarn spinning mills	2003..	5 911 042	3
		2002..	6 333 548	X
3131111	Carded cotton yarns ³	2003..	2 309 538	2
		2002..	2 266 596	X
3131113	Combed cotton yarns ³	2003..	608 969	14
		2002..	627 203	X
3131115	Rayon, acetate, and/or lyocell spun yarns ³	2003..	160 242	2
		2002..	173 759	X
3131116	Spun noncellulosic fiber and other natural fiber yarns ³	2003..	2 613 861	4
		2002..	2 876 562	X
3131119	Wool yarns, including new, reused, and reprocessed wool ³	2003..	139 090	1
		2002..	159 454	X
313111C	Scouring and combing mill products	2003..	31 602	1
		2002..	131 019	X
313111W	Yarn spinning mills, nsk, total	2003..	47 740	70
		2002..	98 955	X
313112	Yarn texturizing, throwing, and twisting mills	2003..	4 408 897	3
		2002..	4 297 525	X
3131121	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment)	2003..	176 199	4
		2002..	146 416	X
3131123	Thrown filament yarns, except textured	2003..	1 146 153	3
		2002..	1 133 746	X
3131125	Textured, crimped, and bulked filament yarns, including stretch yarn, made from purchased filament yarn ⁴	2003..	2 929 151	5
		2002..	2 816 781	X
3131128	Commission receipts for throwing, texturing, or winding filament yarns	2003..	139 577	7
		2002..	127 764	X
313112W	Yarn texturizing, throwing, and twisting mills, nsk, total	2003..	17 817	7
		2002..	72 818	X
313113	Thread mills	2003..	301 192	4
		2002..	307 118	X
3131130	Thread mills	2003..	301 192	4
		2002..	307 118	X
313210	Broadwoven fabric mills	2003..	9 954 639	1
		2002..	10 805 716	X
3132101	Cotton broadwoven plain weave fabrics (excluding pile) (gray goods) ³	2003..	800 986	1
		2002..	959 518	X
3132103	Cotton broadwoven twill weave fabrics (excluding pile) (gray goods) ³	2003..	692 052	3
		2002..	822 951	X
3132105	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods) ³	2003..	171 169	3
		2002..	193 768	X
3132107	Cotton broadwoven pile fabrics (gray goods) ³	2003..	D	S
		2002..	D	X
3132109	Finished cotton broadwoven fabrics, finished in weaving mills ²	2003..	476 890	1
		2002..	538 804	X
313210D	Fabricated textile products, made in weaving mills ⁴	2003..	1 200 272	1
		2002..	1 362 943	X
313210E	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, chiefly rayon, acetate, and/or lyocell (gray goods) ³	2003..	488 618	2
		2002..	532 258	X
313210G	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns (excluding rayon, acetate, and/or lyocell) (gray goods) ³	2003..	1 341 089	1
		2002..	1 361 408	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313210	Broadwoven fabric mills—Con.		
313210H	Manmade fiber broadwoven plain weave fabrics, of 85 percent or more spun yarns (excluding pile), excluding wool blends (gray goods) ³	2003.. 907 697 2002.. 1 029 502	2 X
313210J	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (excluding pile), excluding wool blends (gray goods) ³	2003.. 173 419 2002.. 176 684	2 X
313210L	Manmade fiber broadwoven fabrics, of weaves other than plain, twill, and pile, of 85 percent or more spun yarn, excluding wool blends (gray goods) ³	2003.. 333 739 2002.. 345 813	1 X
313210M	Manmade fiber broadwoven fabrics, combinations of spun and filament yarns (excluding wool blends), each less than 85 percent of total fiber content (gray goods) ³	2003.. 529 869 2002.. 595 922	1 X
313210N	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (excluding cotton) (gray goods) ³	2003.. 321 300 2002.. 284 805	1 X
313210P	Finished manmade fiber and silk broadwoven fabrics, finished in weaving mills ²	2003.. 1 308 477 2002.. 1 394 156	1 X
313210T	Wool broadwoven fabrics (gray goods) ³	2003.. 67 579 2002.. D	1 X
313210U	Finished broadwoven wool fabrics and felts (finished in weaving mills)	2003.. D 2002.. D	S X
313210W	Broadwoven fabric mills, nsk, total	2003.. 556 763 2002.. 567 181	2 X
313221	Narrow fabric mills	2003.. 1 070 938 2002.. 1 117 825	1 X
3132211	Woven narrow fabrics (12 inches or less in width)	2003.. 769 253 2002.. 808 078	2 X
3132213	Braided narrow fabrics (12 inches or less in width)	2003.. 174 034 2002.. 183 418	1 X
3132215	Covered rubber thread, made in narrow fabric mills	2003.. 78 601 2002.. 82 254	1 X
313221W	Narrow fabric mills, nsk, total	2003.. 49 050 2002.. 44 075	4 X
313222	Schiffli machine embroidery	2003.. 103 526 2002.. 137 130	16 X
3132220	Schiffli machine embroideries	2003.. 103 526 2002.. 137 130	16 X
313230	Nonwoven fabric mills	2003.. 4 797 541 2002.. 4 892 049	2 X
3132301	Nonwoven fabrics	2003.. 2 983 697 2002.. 3 225 481	3 X
3132303	Fabricated nonwoven products	2003.. 949 908 2002.. 844 667	2 X
3132305	Pressed, punched, or needled felts (except hats)	2003.. 751 377 2002.. 695 574	5 X
313230W	Nonwoven fabric mills, nsk, total	2003.. 112 560 2002.. 126 327	9 X
313241	Weft knit fabric mills	2003.. 1 703 561 2002.. 1 787 492	9 X
3132411	Weft (circular) knit fabrics greige goods (excluding hosiery) ³	2003.. 543 040 2002.. 646 667	18 X
3132413	Finished weft (circular) knit fabrics, excluding hosiery	2003.. 999 019 2002.. 956 750	11 X
3132416	Nonapparel articles of weft knit fabrics and commission receipts for knitting only or knitting and finishing weft knit fabrics (excluding hosiery)	2003.. 106 317 2002.. 118 166	15 X
313241W	Weft knit fabric mills, nsk, total	2003.. 55 185 2002.. 65 909	6 X
313249	Other knit fabric and lace mills	2003.. 1 401 726 2002.. 1 553 820	2 X
3132491	Warp knit fabrics greige goods ³	2003.. 353 488 2002.. 380 644	4 X
3132493	Finished warp knit fabrics	2003.. 855 472 2002.. 949 560	3 X
3132495	Lace and net goods, all leavers and nottingham lace machine products, including bobbinets and barmen laces	2003.. 41 459 2002.. 42 178	1 X
3132497	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics, lace, or net goods	2003.. 75 002 2002.. 71 784	18 X
313249A	Other nonapparel warp knit end products (including knitted towels and washcloths), excluding fabrics, lace, and net goods	2003.. 24 463 2002.. 26 039	1 X
313249W	Other knit fabric and lace mills, nsk, total	2003.. 51 841 2002.. 83 615	23 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
313311	Broadwoven fabric finishing mills.....	2003..	6 130 252	2
		2002..	6 628 902	X
3133111	Finished cotton broadwoven fabrics, finished in finishing mills ²	2003..	1 650 276	3
		2002..	1 757 451	X
3133113	Job or commission finishing of cotton broadwoven fabrics.....	2003..	793 902	9
		2002..	954 650	X
3133115	Finished manmade fiber and silk broadwoven fabrics, finished in finishing mills ²	2003..	2 075 992	4
		2002..	2 200 012	X
3133117	Job or commission finishing of manmade fiber and silk broadwoven fabrics.....	2003..	D	S
		2002..	D	X
3133119	Finished broadwoven wool fabrics and felts (not finished in weaving mill).....	2003..	D	S
		2002..	D	X
313311W	Broadwoven fabric finishing mills, nsk, total.....	2003..	852 827	3
		2002..	946 065	X
313312	Textile and fabric finishing (except broadwoven fabric) mills.....	2003..	2 889 748	2
		2002..	3 397 784	X
3133120	Finished fabrics (excluding broadwoven) and other finished textiles.....	2003..	2 889 748	2
		2002..	3 397 784	X
313320	Fabric coating mills.....	2003..	2 252 719	2
		2002..	2 143 076	X
3133201	Vinyl coated fabrics, including expanded vinyl coated.....	2003..	716 769	3
		2002..	672 753	X
3133204	Rubber coating of fabrics and garments.....	2003..	224 027	7
		2002..	204 208	X
3133205	Other coated or laminated fabrics and coated yarns.....	2003..	1 159 029	3
		2002..	1 039 459	X
313320W	Fabric coating mills, nsk, total.....	2003..	152 894	12
		2002..	226 656	X
314110	Carpet and rug mills.....	2003..	12 906 723	1
		2002..	13 064 449	X
3141101	Woven carpet and rugs ³	2003..	871 204	2
		2002..	769 819	X
3141103	Tufted carpet and rugs ³	2003..	11 128 411	1
		2002..	11 396 407	X
3141105	Other carpet, rugs, and mats ³	2003..	468 986	9
		2002..	417 693	X
314110W	Carpet and rug mills, nsk, total.....	2003..	438 121	12
		2002..	480 530	X
314121	Curtain and drapery mills.....	2003..	1 332 611	4
		2002..	1 470 829	X
3141210	Curtains and draperies.....	2003..	1 332 611	4
		2002..	1 470 829	X
314129	Other household textile product mills.....	2003..	5 615 140	1
		2002..	6 077 546	X
3141291	Bedspreads, made from purchased materials ⁴	2003..	173 188	3
		2002..	185 292	X
3141293	Sheets and pillowcases, made from purchased materials ⁴	2003..	1 131 577	1
		2002..	1 346 720	X
3141295	Towels and washcloths, made from purchased materials ⁴	2003..	597 115	1
		2002..	587 024	X
3141296	Other household furnishings, made from purchased materials ⁴	2003..	3 325 893	1
		2002..	3 530 606	X
314129W	Other household textile product mills, nsk, total.....	2003..	387 367	4
		2002..	427 904	X
314911	Textile bag mills.....	2003..	644 919	6
		2002..	656 905	X
3149110	Textile bags.....	2003..	644 919	6
		2002..	656 905	X
314912	Canvas and related product mills.....	2003..	1 784 053	4
		2002..	1 705 033	X
3149120	Canvas and related products.....	2003..	1 784 053	4
		2002..	1 705 033	X
314991	Rope, cordage, and twine mills.....	2003..	551 356	3
		2002..	604 135	X
3149911	Cordage and twine, hard fiber.....	2003..	82 376	9
		2002..	74 320	X
3149913	Cordage and twine, soft fiber (except cotton).....	2003..	359 670	4
		2002..	412 234	X
3149915	Cotton cordage and twine.....	2003..	46 201	7
		2002..	51 400	X
314991W	Rope, cordage, and twine mills, nsk, total.....	2003..	63 109	6
		2002..	66 181	X
314992	Tire cord and tire fabric mills.....	2003..	1 218 271	1
		2002..	1 222 681	X
3149920	Tire cord and tire fabrics ³	2003..	1 218 271	1
		2002..	1 222 681	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
314999	All other miscellaneous textile product mills	2003..	4 813 279	3
		2002..	4 973 480	X
3149991	Recovered fibers, processed mill waste and related products	2003..	175 481	7
		2002..	187 128	X
3149993	Paddings and upholstery filling, batting, and wadding (excluding foam rubber and plastics)	2003..	483 949	8
		2002..	508 604	X
3149995	Embroideries (excluding Schiffli machine products)	2003..	637 556	7
		2002..	560 996	X
3149997	Other trimmings and findings	2003..	221 890	11
		2002..	242 972	X
3149998	All other miscellaneous fabricated textile products	2003..	2 280 589	4
		2002..	2 375 251	X
314999W	All other miscellaneous textile product mills, nsk, total	2003..	1 013 814	7
		2002..	1 098 529	X
315111	Sheer hosiery mills	2003..	810 771	3
		2002..	886 348	X
3151111	Women's, misses', and girls' sheer finished hosiery, full-length, knee-length, and below the knee	2003..	217 031	7
		2002..	229 248	X
3151113	Women's, misses', and girls' sheer finished partyhose, including tights, all needle	2003..	498 905	3
		2002..	517 180	X
3151115	Women's, misses', and girls' sheer hosiery shipped in the greige (except socks)	2003..	67 732	14
		2002..	109 237	X
315111W	Sheer hosiery mills, nsk, total	2003..	27 104	14
		2002..	30 683	X
315119	Other hosiery and sock mills	2003..	2 138 323	4
		2002..	2 336 824	X
3151191	Men's finished seamless hosiery and socks, (sizes 10 and up)	2003..	997 476	6
		2002..	1 265 617	X
3151193	All other finished hosiery, other than sheer	2003..	908 904	7
		2002..	847 727	X
3151195	Seamless hosiery (except sheer), shipped in the greige	2003..	141 595	15
		2002..	127 230	X
315119W	Other hosiery and sock mills, nsk, total	2003..	90 348	3
		2002..	96 250	X
315191	Outerwear knitting mills	2003..	1 345 157	2
		2002..	1 654 422	X
3151912	Men's and boys' sweaters, made in knitting mills ³	2003..	36 847	4
		2002..	59 532	X
3151914	Women's, girls', and infants' sweaters, made in knitting mills ³	2003..	199 639	3
		2002..	303 584	X
3151917	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made in knitting mills ⁴	2003..	402 179	2
		2002..	476 486	X
315191B	Women's, girls', and infants' knit shirts and blouses (including polo, tank tops, sweat and t-shirts), made in knitting mills ³	2003..	177 219	10
		2002..	222 998	X
315191D	Knit outerwear, except sweaters and shirts, made in knitting mills	2003..	105 411	2
		2002..	133 739	X
315191E	Contract receipts for knitting only or knitting and finishing knitting mill products, except underwear and nightwear	2003..	73 444	15
		2002..	80 472	X
315191G	Gloves and mittens, made in knitting mills ⁴	2003..	47 957	4
		2002..	54 562	X
315191H	Hats, mufflers, scarves, and other knitting mill apparel products, excluding outerwear, gloves and mittens, underwear, and nightwear	2003..	51 930	14
		2002..	39 204	X
315191W	Outerwear knitting mills, nsk, total	2003..	250 532	9
		2002..	283 845	X
315192	Underwear and nightwear knitting mills	2003..	414 321	4
		2002..	813 592	X
3151921	Men's and boys' knit underwear, nightwear, and robes, made in knitting mills ⁴	2003..	D	S
		2002..	368 232	X
3151924	Women's, girls', and infants' knit underwear and nightwear, made in knitting mills ⁴	2003..	215 899	4
		2002..	434 039	X
315192E	Contract receipts for knitting only or knitting and finishing underwear and nightwear	2003..	D	S
		2002..	-	X
315192W	Underwear and nightwear knitting mills, nsk, total	2003..	11 362	1
		2002..	11 321	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315211	Men's and boys' cut and sew apparel contractors	2003..	858 165	7
		2002..	967 738	X
3152111	Contract receipts for men's and boys' tailored suits, coats, jackets, and vests	2003..	86 607	13
		2002..	94 602	X
3152113	Contract receipts for men's and boys' shirts, except work shirts	2003..	229 741	5
		2002..	216 448	X
3152116	Contract receipts for men's and boys' underwear and nightwear, including robes	2003..	S	S
		2002..	30 492	X
3152118	Contract receipts for men's and boys' pants, work apparel, and other outerwear	2003..	249 560	17
		2002..	385 281	X
315211A	Contract receipts for men's and boys' embroidering (except Schiffl), team sport uniforms, costumes, and other apparel and apparel accessories	2003..	140 349	25
		2002..	109 172	X
315211W	Men's and boys' cut and sew apparel contractors, nsk, total	2003..	146 875	5
		2002..	131 743	X
315212	Women's, girls', and infants' cut and sew apparel contractors	2003..	2 013 040	5
		2002..	2 608 104	X
3152121	Contract receipts for women's, misses', girls', and infants' shirts and blouses	2003..	278 030	14
		2002..	446 083	X
3152123	Contract receipts for women's, girls', and infants' dresses	2003..	285 705	24
		2002..	440 690	X
3152125	Contract receipts for women's, girls', and infants' skirts, tailored suits, coats, jackets, and vests	2003..	154 401	9
		2002..	241 782	X
3152127	Contract receipts for women's, girls', and infants' nontailored coats, jackets, and vests, pants, shorts, swimwear, sweaters, and other outerwear	2003..	491 818	9
		2002..	756 851	X
3152128	Contract receipts for women's, girls', and infants' underwear and nightwear, including robes and foundation garments	2003..	25 426	10
		2002..	25 725	X
315212A	Contract receipts for women's, girls', and infants' embroidering (except Schiffl), team sport uniforms, costumes, and other apparel and apparel accessories	2003..	41 479	13
		2002..	34 902	X
315212W	Women's, girls', and infants' cut and sew apparel contractors, nsk, total	2003..	736 180	5
		2002..	662 071	X
315221	Men's and boys' cut and sew underwear and nightwear manufacturing	2003..	178 269	23
		2002..	246 151	X
3152210	Men's and boys' knit underwear, nightwear, and robes, made from purchased fabrics ⁴	2003..	178 269	23
		2002..	246 151	X
315222	Men's and boys' cut and sew suit, coat, and overcoat manufacturing	2003..	985 939	5
		2002..	914 585	X
3152222	Men's and boys' tailored suits, including dress uniforms (firefighter, military, police, etc.) ³	2003..	584 570	7
		2002..	484 835	X
3152224	Men's and boys' tailored overcoats, topcoats, and car and suburban coats (including water-repellent) ³	2003..	85 271	14
		2002..	96 928	X
3152226	Men's and boys' tailored dress and sport coats and vests ³	2003..	275 657	9
		2002..	298 681	X
315222W	Men's and boys' cut and sew suit, coat, and overcoat manufacturing, nsk, total	2003..	40 442	2
		2002..	34 141	X
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing	2003..	1 175 777	5
		2002..	1 871 546	X
3152231	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made from purchased fabrics ⁴	2003..	661 751	9
		2002..	1 362 413	X
3152233	Men's and boys' woven dress and sport shirts, made from purchased fabrics ³	2003..	352 044	3
		2002..	374 486	X
315223W	Men's and boys' cut and sew shirts (except work shirts) manufacturing, nsk, total	2003..	161 982	4
		2002..	134 647	X
315224	Men's and boys' cut and sew trouser, slack, and jean manufacturing	2003..	4 095 620	2
		2002..	4 134 430	X
3152242	Men's and boys' separate dress and sport trousers, pants, and slacks (except jeans, jean-cut casual slacks, workpants, and sweatpants), made from purchased fabrics ³	2003..	1 292 077	3
		2002..	1 427 768	X
3152244	Men's and boys' jeans and jean-cut casual slacks, made from purchased fabrics ³	2003..	2 639 593	3
		2002..	2 579 168	X
315224W	Men's and boys' cut and sew trouser, slack, and jean manufacturing, nsk, total	2003..	163 950	17
		2002..	127 494	X
315225	Men's and boys' cut and sew work clothing manufacturing	2003..	1 412 611	4
		2002..	1 743 068	X
3152251	Men's and boys' work shirts, made from purchased fabrics ³	2003..	257 986	18
		2002..	413 720	X
3152254	Men's and boys' workpants (except jeans), work jackets, coveralls, overalls, jumpsuits, and washable service apparel, including hospital patient wear (except disposable), made from purchased fabrics ³	2003..	1 053 092	4
		2002..	1 233 609	X
315225W	Men's and boys' cut and sew work clothing manufacturing, nsk, total	2003..	101 534	10
		2002..	95 739	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315228	Men's and boys' cut and sew other outerwear manufacturing	2003..	1 184 124	9
		2002..	1 172 879	X
3152282	Men's and boys' nontailored coats, jackets, and vests, including down- and feather-filled (except ski apparel and work jackets), made from purchased fabrics ³	2003..	347 366	5
		2002..	395 066	X
3152284	Men's and boys' shorts (including dress and athletic) and swimwear, made from purchased fabrics ³	2003..	496 939	19
		2002..	460 755	X
3152286	Men's and boys' sweaters, sweatpants, jogging and warm-up suits, playsuits, beachwear (except swimsuits), and ski apparel, made from purchased fabrics ³	2003..	225 642	6
		2002..	205 188	X
315228W	Men's and boys' cut and sew other outerwear manufacturing, nsk, total	2003..	114 176	16
		2002..	111 870	X
315231	Women's and girls' cut and sew lingerie, loungewear, and nightwear manufacturing	2003..	2 120 079	1
		2002..	2 330 692	X
3152311	Women's and girls' underwear, except foundation garments, made from purchased fabrics ⁴	2003..	326 012	9
		2002..	482 037	X
3152313	Women's and girls' nightwear, except robes, made from purchased fabrics ⁴	2003..	234 959	3
		2002..	256 728	X
3152315	Women's and girls' brassieres, bra-lettes, and bandeaux, made from purchased fabrics ⁴	2003..	1 371 558	1
		2002..	1 364 077	X
3152318	Women's and girls' corsets (except surgical), girdles, and combinations, made from purchased fabrics ⁴	2003..	57 068	1
		2002..	56 282	X
3152319	Women's and girls' robes and dressing gowns, made from purchased fabrics ⁴	2003..	60 634	4
		2002..	66 783	X
315231W	Women's and girls' cut and sew lingerie, loungewear and nightwear manufacturing, nsk, total	2003..	69 848	6
		2002..	104 785	X
315232	Women's and girls' cut and sew blouse and shirt manufacturing	2003..	2 749 025	3
		2002..	3 110 947	X
3152321	Women's and girls' knit shirts and blouses (including polo, tank tops, sweat and t-shirts), made from purchased fabrics ³	2003..	1 530 430	4
		2002..	1 605 180	X
3152323	Women's and girls' woven shirts and blouses, made from purchased fabrics ³	2003..	977 111	5
		2002..	1 237 803	X
315232W	Women's and girls' cut and sew blouse and shirt manufacturing, nsk, total	2003..	241 485	3
		2002..	267 964	X
315233	Women's and girls' cut and sew dress manufacturing	2003..	2 719 539	3
		2002..	3 042 071	X
3152330	Women's and girls' dresses, made from purchased fabrics ³	2003..	2 719 539	3
		2002..	3 042 071	X
315234	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	2003..	1 238 599	3
		2002..	1 492 436	X
3152342	Women's and girls' tailored coats and capes, including water-repellent (except fur, leather, down- and feather-filled) ³	2003..	205 085	12
		2002..	235 830	X
3152344	Women's and girls' tailored suits and pantsuits, including dress uniforms (firefighter, military, police, etc) ³	2003..	93 008	4
		2002..	96 269	X
3152346	Women's and girls' skirts, made from purchased fabrics ³	2003..	554 068	5
		2002..	716 960	X
3152348	Women's and girls' tailored jackets and vests, except fur and leather ³	2003..	264 176	4
		2002..	314 741	X
315234W	Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing, nsk, total	2003..	122 261	6
		2002..	128 636	X
315239	Women's and girls' cut and sew other outerwear manufacturing	2003..	4 160 132	3
		2002..	5 019 443	X
3152392	Women's and girls' sweaters, including sweater vests, made from purchased fabrics ³	2003..	220 538	3
		2002..	231 306	X
3152394	Women's and girls' shorts, including tennis skirts, made from purchased fabrics ³	2003..	389 456	2
		2002..	565 360	X
3152396	Women's and girls' slacks, jeans, and jean-cut casual slacks (except sweatpants), made from purchased fabrics ³	2003..	2 004 411	3
		2002..	2 455 997	X
3152398	Women's and girls' sweatpants, bodysuits and bodyshirts, jogging and warm-up suits, playsuits, rompers, and beachwear (except swimwear), made from purchased fabrics ³	2003..	130 762	17
		2002..	208 345	X
315239A	Women's and girls' swimwear, made from purchased fabrics ³	2003..	584 903	5
		2002..	640 317	X
315239C	Women's and girls' nontailored coats, jackets, and vests (including water-repellent, down- and feather-filled, and ski apparel), made from purchased fabrics ³	2003..	180 989	10
		2002..	167 380	X
315239E	Women's and girls' washable service apparel, including hospital patient wear (except disposable), coveralls, overalls, and jumpsuits, made from purchased fabrics ³	2003..	331 181	4
		2002..	413 504	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
315239	Women's and girls' cut and sew other outerwear manufacturing—Con.		
315239W	Women's and girls' cut and sew other outerwear manufacturing, nsk, total	2003.. 317 891 2002.. 337 234	29 X
315291	Infants' cut and sew apparel manufacturing	2003.. 141 787 2002.. 247 604	9 X
3152910	Infants' apparel, made from purchased fabrics ⁴	2003.. 141 787 2002.. 247 604	9 X
315292	Fur and leather apparel manufacturing	2003.. 197 725 2002.. 210 510	4 X
3152921	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings	2003.. 44 027 2002.. 42 663	12 X
3152925	Leather and sheep-lined clothing.....	2003.. 140 626 2002.. 146 173	4 X
315292W	Fur and leather apparel manufacturing, nsk, total	2003.. 13 071 2002.. 21 674	23 X
315299	All other cut and sew apparel manufacturing	2003.. 1 082 327 2002.. 972 277	3 X
3152991	Men's and boys' team sport uniforms ³	2003.. 250 640 2002.. 218 112	8 X
3152993	Women's and girls' team sport uniforms ³	2003.. 67 924 2002.. 71 256	8 X
3152995	Vestments and costumes	2003.. 564 856 2002.. 501 983	3 X
3152997	Apparel 50% or greater plastic or rubber, including raincoats and rubber pants (except wet suits) ³	2003.. 45 231 2002.. 38 236	2 X
315299W	All other cut and sew apparel manufacturing, nsk, total	2003.. 153 677 2002.. 142 690	5 X
315991	Hat, cap, and millinery manufacturing	2003.. 515 827 2002.. 572 496	7 X
3159912	Men's and boys' fabric, straw, and felt hats and caps	2003.. 175 556 2002.. 166 042	12 X
3159915	Women's, girls', and infants' fabric, straw, and felt hats and caps.....	2003.. 27 274 2002.. 36 008	46 X
3159916	Hat bodies and fabric caps	2003.. 190 198 2002.. 247 157	14 X
315991W	Hat, cap, and millinery manufacturing, nsk, total	2003.. 122 799 2002.. 123 289	2 X
315992	Glove and mitten manufacturing	2003.. 126 689 2002.. 154 832	24 X
3159921	Gloves and mittens, made from purchased fabrics ⁴	2003.. 32 687 2002.. 56 224	90 X
3159923	Gloves and mittens, leather-and-fabric combinations, made from purchased leather and fabrics ⁴	2003.. 13 385 2002.. 13 317	2 X
3159925	Gloves and mittens, all leather, made from purchased leather ⁴	2003.. 43 247 2002.. 44 952	1 X
315992W	Glove and mitten manufacturing, nsk, total	2003.. 37 370 2002.. 40 339	18 X
315993	Men's and boys' neckwear manufacturing	2003.. 369 104 2002.. 344 965	1 X
3159930	Men's and boys' neckwear	2003.. 369 104 2002.. 344 965	1 X
315999	Other apparel accessories and other apparel manufacturing	2003.. 1 022 240 2002.. 1 219 412	6 X
3159991	Women's and girls' scarfs, dickies, and other neckwear	2003.. 18 910 2002.. 19 494	20 X
3159995	Leather belts	2003.. 284 953 2002.. 426 871	10 X
3159997	Belts, other than leather	2003.. 45 214 2002.. 46 108	8 X
3159999	Apparel accessories 50 percent or greater plastic or rubber, including aprons, bibs, rainhats, and shower and bathing caps	2003.. S 2002.. 67 295	S X
315999A	Hose supporters, arm bands, suspenders, and handkerchiefs	2003.. 40 973 2002.. 43 988	1 X
315999D	Apparel findings, trimmings, and all other fabricated apparel accessories	2003.. 278 088 2002.. 273 542	11 X
315999W	Other apparel accessories and other apparel manufacturing, nsk, total	2003.. 334 617 2002.. 342 114	4 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
316110	Leather and hide tanning and finishing	2003..	2 305 206	2
		2002..	2 430 448	X
3161101	Finished and unfinished leather	2003..	2 106 453	3
		2002..	2 219 132	X
3161104	Contract and commission receipts for tanning or finishing leather owned by others	2003..	99 078	7
		2002..	119 329	X
3161107	Furs, dressed and dyed or bleached	2003..	15 342	1
		2002..	11 487	X
316110W	Leather and hide tanning and finishing, nsk, total	2003..	84 333	1
		2002..	80 500	X
316211	Rubber and plastics footwear manufacturing	2003..	474 062	4
		2002..	469 398	X
3162111	Protective footwear ³	2003..	108 192	17
		2002..	109 021	X
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers ³	2003..	352 071	3
		2002..	348 657	X
316211W	Rubber and plastics footwear manufacturing, nsk, total	2003..	13 799	2
		2002..	11 720	X
316212	House slipper manufacturing	2003..	13 918	1
		2002..	84 618	X
3162120	House slippers ³	2003..	13 918	1
		2002..	84 618	X
316213	Men's footwear (except athletic) manufacturing	2003..	961 555	7
		2002..	956 807	X
3162130	Men's footwear, except athletic ³	2003..	961 555	7
		2002..	956 807	X
316214	Women's footwear (except athletic) manufacturing	2003..	258 094	3
		2002..	263 398	X
3162140	Women's footwear, except athletic ³	2003..	258 094	3
		2002..	263 398	X
316219	Other footwear manufacturing	2003..	116 915	5
		2002..	122 613	X
3162190	All other footwear, except rubber ³	2003..	116 915	5
		2002..	122 613	X
316991	Luggage manufacturing	2003..	522 690	6
		2002..	563 259	X
3169910	Luggage	2003..	522 690	6
		2002..	563 259	X
316992	Women's handbag and purse manufacturing	2003..	202 310	3
		2002..	193 113	X
3169920	Women's and children's handbags and purses	2003..	202 310	3
		2002..	193 113	X
316993	Personal leather good (except women's handbag and purse) manufacturing	2003..	309 631	3
		2002..	290 620	X
3169930	All other personal leather goods	2003..	309 631	3
		2002..	290 620	X
316999	All other leather good manufacturing	2003..	607 334	2
		2002..	666 614	X
3169991	Boot and shoe cut stock and findings	2003..	64 626	14
		2002..	78 345	X
3169994	All other miscellaneous leather goods	2003..	468 665	2
		2002..	502 995	X
316999W	All other leather good manufacturing, nsk, total	2003..	74 043	5
		2002..	85 274	X
321113	Sawmills	2003..	20 912 328	2
		2002..	20 225 357	X
3211131	Hardwood lumber, made in sawmills ²	2003..	4 229 559	2
		2002..	3 772 464	X
3211133	Softwood lumber, made in sawmills ²	2003..	11 460 717	1
		2002..	11 120 320	X
3211135	Wood chips, except field chips	2003..	1 765 816	11
		2002..	1 765 507	X
3211137	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others	2003..	274 948	4
		2002..	252 102	X
321113W	Sawmills, nsk, total	2003..	3 181 288	7
		2002..	3 314 964	X
321114	Wood preservation	2003..	4 419 115	2
		2002..	4 185 415	X
3211141	Wood poles, piles, and posts owned and treated by the same establishment	2003..	1 008 178	4
		2002..	926 370	X
3211145	Other wood products owned and treated by the same establishment	2003..	2 873 034	2
		2002..	2 823 627	X
3211149	Contract wood preservation	2003..	160 986	5
		2002..	165 571	X
321114W	Wood preservation, nsk, total	2003..	376 918	10
		2002..	269 847	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321211	Hardwood veneer and plywood manufacturing	2003..	2 905 579	2
		2002..	2 985 822	X
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	2003..	1 081 138	3
		2002..	1 121 230	X
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	2003..	1 054 980	2
		2002..	1 043 725	X
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	2003..	112 184	20
		2002..	131 971	X
3212117	Hardwood plywood type products	2003..	431 695	7
		2002..	481 891	X
321211W	Hardwood veneer and plywood manufacturing, nsk, total	2003..	225 581	13
		2002..	207 005	X
321212	Softwood veneer and plywood manufacturing	2003..	4 611 424	1
		2002..	4 473 591	X
3212121	Softwood veneer, including veneer backed with paper, cloth, or other flexible material	2003..	882 069	2
		2002..	867 204	X
3212123	Softwood plywood, rough, including touch sanded, interior and exterior	2003..	2 347 196	1
		2002..	2 308 338	X
3212125	Softwood plywood, sanded, interior and exterior	2003..	612 545	7
		2002..	647 967	X
3212128	Softwood plywood specialties	2003..	679 017	1
		2002..	624 683	X
321212W	Softwood veneer and plywood manufacturing, nsk, total	2003..	90 597	10
		2002..	25 399	X
321213	Engineered wood member (except truss) manufacturing	2003..	2 211 239	2
		2002..	2 044 706	X
3212130	Engineered wood members (except trusses)	2003..	2 211 239	2
		2002..	2 044 706	X
321214	Truss manufacturing	2003..	4 576 390	3
		2002..	4 208 143	X
3212140	Wood trusses	2003..	4 576 390	3
		2002..	4 208 143	X
321219	Reconstituted wood product manufacturing	2003..	6 601 004	1
		2002..	5 670 063	X
3212191	Particleboard made from particleboard produced at the same location	2003..	1 016 717	3
		2002..	1 203 134	X
3212192	Waferboard and oriented strandboard	2003..	2 855 349	2
		2002..	1 933 582	X
3212193	Medium density fiberboard (MDF) made from MDF produced at the same location	2003..	675 625	2
		2002..	657 842	X
3212194	Hardboard made from hardboard produced at the same location	2003..	622 670	1
		2002..	475 013	X
3212195	Cellulosic fiberboard (insulating board)	2003..	156 614	19
		2002..	117 793	X
3212197	Hardboard made from purchased hardboard	2003..	376 136	6
		2002..	319 961	X
3212198	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF	2003..	704 760	3
		2002..	753 549	X
321219W	Reconstituted wood product manufacturing, nsk, total	2003..	193 133	6
		2002..	209 189	X
321911	Wood window and door manufacturing	2003..	10 559 836	3
		2002..	10 106 072	X
3219111	Wood window units	2003..	3 280 810	3
		2002..	2 998 536	X
3219113	Wood sash, excluding sash shipped in window units	2003..	90 416	4
		2002..	81 040	X
3219115	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units	2003..	564 010	4
		2002..	542 436	X
3219117	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections	2003..	3 327 245	3
		2002..	3 335 347	X
3219119	Other wood doors, including garage, patio, bifold, cabinet, screen, storm, and louver	2003..	1 731 419	2
		2002..	1 594 661	X
321911W	Wood window and door manufacturing, nsk, total	2003..	1 565 937	15
		2002..	1 554 052	X
321912	Cut stock, resawing lumber, and planing	2003..	5 512 354	4
		2002..	5 355 632	X
3219121	Hardwood lumber, made from purchased lumber ²	2003..	1 347 997	15
		2002..	1 084 139	X
3219123	Softwood lumber, made from purchased lumber ²	2003..	1 761 159	1
		2002..	1 691 623	X
3219126	Hardwood cut stock and dimension	2003..	959 047	4
		2002..	959 772	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
321912	Cut stock, resawing lumber, and planing—Con.		
3219128	Softwood cut stock and dimension	2003.. 579 341 2002.. 641 738	1 X
3219129	Sawn wood fence stock, wood lath, and contract resawing and planing	2003.. 153 973 2002.. 123 170	17 X
321912W	Cut stock, resawn lumber, and planing, nsk, total	2003.. 710 837 2002.. 855 190	10 X
321918	Other millwork (including flooring)	2003.. 5 934 429 2002.. 5 631 916	2 X
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	2003.. 2 112 064 2002.. 2 030 037	5 X
3219183	Prefinished wood moldings made from purchased moldings, including wood moldings covered with metal and plastics	2003.. 97 337 2002.. 92 608	2 X
3219185	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring	2003.. 1 572 465 2002.. 1 497 489	5 X
3219187	Hardwood flooring	2003.. 1 577 848 2002.. 1 551 839	2 X
321918W	Other millwork (including flooring), nsk, total	2003.. 574 716 2002.. 459 943	5 X
321920	Wood container and pallet manufacturing	2003.. 4 694 868 2002.. 4 817 428	2 X
3219201	Nailed and lock-corner wood boxes	2003.. 372 844 2002.. 331 735	16 X
3219203	Wood box and crate shook	2003.. 128 832 2002.. 144 949	16 X
3219205	Wood pallets and pallet containers, wood and metal combination	2003.. 2 944 025 2002.. 3 028 039	2 X
3219207	Other wood container parts and wood containers	2003.. 576 132 2002.. 625 774	5 X
321920W	Wood container and pallet manufacturing, nsk, total	2003.. 673 034 2002.. 686 931	6 X
321991	Manufactured home (mobile home) manufacturing	2003.. 5 873 054 2002.. 6 631 875	1 X
3219911	Manufactured homes (mobile homes)	2003.. 5 341 003 2002.. 6 122 376	1 X
3219915	Nonresidential mobile buildings	2003.. 338 532 2002.. 348 551	2 X
321991W	Manufactured home (mobile home) manufacturing, nsk, total	2003.. 193 519 2002.. 160 948	1 X
321992	Prefabricated wood building manufacturing	2003.. 3 584 294 2002.. 3 569 872	5 X
3219921	Components for prefabricated stationary wood buildings (not sold as complete units)	2003.. 581 255 2002.. 423 675	16 X
3219923	Precut packages for prefabricated stationary wood buildings (complete units)	2003.. 614 493 2002.. 668 504	9 X
3219925	Prefabricated stationary wood buildings shipped in panel form (complete units)	2003.. 827 005 2002.. 718 548	4 X
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies	2003.. 1 065 536 2002.. 1 292 257	13 X
321992W	Prefabricated wood building manufacturing, nsk, total	2003.. 496 005 2002.. 466 888	7 X
321999	All other miscellaneous wood product manufacturing	2003.. 4 277 458 2002.. 4 213 754	2 X
3219990	All other miscellaneous wood product manufacturing	2003.. 4 277 458 2002.. 4 213 754	2 X
322110	Pulp mills	2003.. 5 239 788 2002.. 5 247 195	1 X
3221101	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	2003.. 924 180 2002.. 895 538	1 X
3221103	Sulfate woodpulp, including soda	2003.. 3 611 424 2002.. 3 687 222	1 X
3221105	Sulfite and other woodpulp	2003.. 179 964 2002.. 169 371	1 X
3221107	All other miscellaneous pulp, other than wood, and pulp mill byproducts	2003.. 514 694 2002.. 485 588	6 X
322110W	Pulp mills, nsk, total	2003.. 9 527 2002.. 9 476	11 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322121	Paper (except newsprint) mills	2003..	38 482 976	1
		2002..	40 783 284	X
3221211	Clay-coated printing and converting paper	2003..	7 265 231	1
		2002..	7 693 273	X
3221213	Uncoated freesheet paper (containing not more than 10 percent mechanical fiber)	2003..	9 456 711	1
		2002..	10 178 840	X
3221215	Bleached bristols (weight more than 150 g per sq meter), excluding cotton fiber index and bogus	2003..	1 295 106	1
		2002..	1 226 783	X
3221217	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper	2003..	D	S
		2002..	D	X
3221219	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper	2003..	855 115	1
		2002..	954 175	X
322121A	Packaging and industrial converting paper, except unbleached kraft	2003..	773 416	5
		2002..	876 648	X
322121C	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc.	2003..	1 628 764	4
		2002..	1 685 363	X
322121E	Construction paper	2003..	256 637	6
		2002..	241 521	X
322121G	Tissue paper and other machine-creped paper	2003..	2 313 423	4
		2002..	2 060 339	X
322121K	Disposable diapers and similar disposable products, made in paper mills ²	2003..	D	S
		2002..	D	X
322121N	Sanitary tissue paper products, made in paper mills ²	2003..	11 217 142	1
		2002..	12 557 480	X
322121W	Paper (except newsprint) mills, nsk, total	2003..	38 118	65
		2002..	39 133	X
322122	Newsprint mills	2003..	3 023 481	1
		2002..	3 419 363	X
3221221	Newsprint	2003..	1 991 305	1
		2002..	2 533 179	X
3221223	Uncoated ground-wood paper (containing more than 10 percent mechanical fiber)	2003..	1 030 848	1
		2002..	886 184	X
322122W	Newsprint mills, nsk, total	2003..	1 328	1
		2002..	-	X
322130	Paperboard mills	2003..	19 332 087	1
		2002..	19 649 670	X
3221301	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp)	2003..	7 797 324	2
		2002..	8 075 890	X
3221303	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp)	2003..	3 989 490	1
		2002..	4 046 941	X
3221305	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp)	2003..	1 170 123	1
		2002..	1 049 286	X
3221307	Recycled paperboard	2003..	6 329 580	1
		2002..	6 416 857	X
3221309	Wet machine board, including binders' board and shoe board	2003..	38 865	19
		2002..	48 486	X
322130W	Paperboard mills, nsk, total	2003..	6 706	18
		2002..	12 210	X
322211	Corrugated and solid fiber box manufacturing	2003..	27 646 308	2
		2002..	27 926 685	X
3222110	Corrugated and solid fiber boxes, including pallets	2003..	27 646 308	2
		2002..	27 926 685	X
322212	Folding paperboard box manufacturing	2003..	7 993 034	1
		2002..	8 142 622	X
3222120	Folding paperboard boxes, packaging, and packaging components	2003..	7 993 034	1
		2002..	8 142 622	X
322213	Setup paperboard box manufacturing	2003..	616 821	7
		2002..	760 519	X
3222130	Setup (rigid) paperboard boxes	2003..	616 821	7
		2002..	760 519	X
322214	Fiber can, tube, drum, and similar products manufacturing	2003..	2 129 896	5
		2002..	1 883 080	X
3222141	Paperboard fiber drums with ends of any material	2003..	302 878	9
		2002..	292 641	X
3222143	Fiber cans, tubes, and similar fiber products	2003..	1 711 630	5
		2002..	1 529 199	X
322214W	Fiber can, tube, drum, and similar products manufacturing, nsk, total	2003..	115 388	3
		2002..	61 240	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322215	Nonfolding sanitary food container manufacturing	2003..	2 969 945	1
		2002..	2 973 261	X
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	2003..	753 613	1
		2002..	735 001	X
3222153	Cups and liquid-tight paper and paperboard containers	2003..	1 411 115	1
		2002..	1 428 315	X
3222155	Other sanitary paper and paperboard food containers, boards, and trays, except folding	2003..	787 119	1
		2002..	754 327	X
322215W	Nonfolding sanitary food container manufacturing, nsk, total	2003..	18 098	4
		2002..	55 618	X
322221	Coated and laminated packaging paper and plastics film manufacturing	2003..	1 471 301	5
		2002..	1 269 646	X
3222211	Single-web paper, rolls and sheets, including waxed, for flexible packaging uses	2003..	926 828	7
		2002..	749 880	X
3222213	Multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2003..	456 162	3
		2002..	407 848	X
322221W	Coated and laminated packaging paper and plastics film manufacturing, nsk, total	2003..	88 312	17
		2002..	111 918	X
322222	Coated and laminated paper manufacturing	2003..	10 814 504	1
		2002..	10 875 309	X
3222221	Printing paper, coated at establishments other than where paper was produced	2003..	457 228	2
		2002..	450 364	X
3222223	Gummed products	2003..	357 658	2
		2002..	275 735	X
3222225	Pressure-sensitive products	2003..	6 492 137	2
		2002..	6 776 121	X
3222226	Wallcoverings	2003..	335 827	1
		2002..	342 359	X
322222A	Gift wrap paper	2003..	452 451	3
		2002..	419 359	X
3222228	Converted foil for nonpackaging applications	2003..	542 142	1
		2002..	555 090	X
3222229	Other coated and processed papers, except for packaging uses	2003..	1 485 345	1
		2002..	1 593 257	X
322222W	Coated and laminated paper manufacturing, nsk, total	2003..	691 714	14
		2002..	463 024	X
322223	Plastics, foil, and coated paper bag manufacturing	2003..	594 709	6
		2002..	583 528	X
3222231	Specialty bags, pouches, and liners, coated and single-web paper	2003..	175 408	20
		2002..	164 361	X
3222233	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film	2003..	397 422	3
		2002..	399 345	X
322223W	Plastics, foil, and coated paper bag manufacturing, nsk, total	2003..	21 880	2
		2002..	19 822	X
322224	Uncoated paper and multiwall bag manufacturing	2003..	2 075 346	1
		2002..	2 097 491	X
3222241	Uncoated single-web paper grocers' bags and sacks and variety and shopping bags	2003..	790 666	2
		2002..	790 978	X
3222243	Shipping sacks and multiwall bags, all materials, except textiles	2003..	1 249 586	1
		2002..	1 274 327	X
322224W	Uncoated paper and multiwall bag manufacturing, nsk, total	2003..	35 094	12
		2002..	32 186	X
322225	Laminated aluminum foil manufacturing for flexible packaging uses	2003..	1 533 884	1
		2002..	1 456 468	X
3222250	Laminated aluminum foil rolls and sheets for flexible packaging uses (converting and printing or converting only)	2003..	1 533 884	1
		2002..	1 456 468	X
322226	Surface-coated paperboard manufacturing	2003..	881 333	6
		2002..	873 155	X
3222260	Pasted, lined, laminated, or surface-coated paperboard	2003..	881 333	6
		2002..	873 155	X
322231	Die-cut paper and paperboard office supplies manufacturing	2003..	2 675 919	1
		2002..	2 692 885	X
3222311	Die-cut paper and paperboard office supplies	2003..	1 237 248	1
		2002..	1 228 295	X
3222313	Paper supplies for business machines and other miscellaneous unprinted paper office supplies	2003..	1 234 227	1
		2002..	1 167 767	X
322231W	Die-cut paper and paperboard office supplies manufacturing, nsk, total	2003..	204 443	15
		2002..	296 823	X
322232	Envelope manufacturing	2003..	3 097 692	3
		2002..	3 225 007	X
3222320	Envelopes, commercial, all types and materials	2003..	3 097 692	3
		2002..	3 225 007	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
322233	Stationery, tablet, and related product manufacturing	2003..	1 201 689	6
		2002..	1 510 584	X
3222331	Stationery	2003..	373 604	12
		2002..	359 300	X
3222333	Tablets, pads, and related products	2003..	705 628	7
		2002..	1 030 707	X
322233W	Stationery, tablet, and related product manufacturing, nsk, total	2003..	122 457	9
		2002..	120 577	X
322291	Sanitary paper product manufacturing	2003..	8 348 687	1
		2002..	8 848 033	X
3222912	Disposable diapers and similar disposable products, made from purchased sanitary paper stock or wadding ²	2003..	4 618 841	1
		2002..	4 843 482	X
3222915	Sanitary tissue paper products, made from purchased sanitary paper stock or wadding ²	2003..	3 567 385	1
		2002..	3 850 388	X
322291W	Sanitary paper product manufacturing, nsk, total	2003..	162 461	1
		2002..	154 163	X
322299	All other converted paper product manufacturing	2003..	3 966 750	2
		2002..	4 217 043	X
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	2003..	378 430	2
		2002..	390 854	X
3222993	Miscellaneous converted paper and paperboard products	2003..	3 233 415	3
		2002..	3 358 723	X
322299W	All other converted paper product manufacturing, nsk, total	2003..	354 906	11
		2002..	467 466	X
323110	Commercial lithographic printing	2003..	44 492 543	1
		2002..	46 085 206	X
3231101	Magazine and periodical printing (lithographic), including magazine and comic supplements for Sunday newspapers (excluding printing of newspaper advertising inserts)	2003..	6 020 161	2
		2002..	6 411 888	X
3231103	Label and wrapper printing (lithographic)	2003..	1 875 634	8
		2002..	2 176 513	X
3231105	Catalog and directory printing (lithographic)	2003..	4 282 886	1
		2002..	4 451 240	X
3231107	Financial and legal printing (lithographic)	2003..	1 966 541	21
		2002..	2 386 659	X
3231109	Advertising printing (lithographic)	2003..	12 857 849	1
		2002..	13 328 892	X
323110B	Other commercial and general job printing (lithographic)	2003..	8 508 103	2
		2002..	8 132 559	X
323110W	Commercial lithographic printing, nsk, total	2003..	8 981 369	3
		2002..	9 197 455	X
323111	Commercial gravure printing	2003..	3 298 383	1
		2002..	3 339 550	X
3231111	Magazine and periodical printing (gravure), including magazine and comic supplements for Sunday newspapers (excluding printing of newspaper advertising inserts)	2003..	518 736	1
		2002..	614 236	X
3231113	Label and wrapper printing (gravure)	2003..	654 392	3
		2002..	661 524	X
3231115	Catalog and directory printing (gravure)	2003..	755 368	1
		2002..	732 353	X
3231117	Advertising printing (gravure)	2003..	1 032 671	1
		2002..	956 410	X
3231119	Other commercial and general job printing (gravure)	2003..	149 643	10
		2002..	186 683	X
323111W	Commercial gravure printing, nsk, total	2003..	187 573	2
		2002..	188 344	X
323112	Commercial flexographic printing	2003..	5 218 912	1
		2002..	5 188 625	X
3231121	Label and wrapper printing (flexographic)	2003..	4 127 000	2
		2002..	4 106 492	X
3231123	Other commercial and general job printing (flexographic)	2003..	670 423	5
		2002..	640 939	X
323112W	Commercial flexographic printing, nsk, total	2003..	421 489	7
		2002..	441 194	X
323113	Commercial screen printing	2003..	6 488 639	2
		2002..	6 504 902	X
3231132	Screen printed labels	2003..	827 592	3
		2002..	788 560	X
3231134	Screen printing on garments, apparel accessories, and other fabric articles, except labels	2003..	2 044 793	3
		2002..	2 085 462	X
3231136	Screen printing (except on textiles, apparel, apparel accessories, and labels)	2003..	2 195 123	3
		2002..	2 258 981	X
323113W	Commercial screen printing, nsk, total	2003..	1 421 130	6
		2002..	1 371 899	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
323114	Quick printing	2003.. 3 817 157 2002.. 3 750 701	5 X
3231140	Quick printing	2003.. 3 817 157 2002.. 3 750 701	5 X
323115	Digital printing	2003.. 3 010 900 2002.. 2 898 668	2 X
3231150	Digital printing	2003.. 3 010 900 2002.. 2 898 668	2 X
323116	Manifold business forms printing	2003.. 6 138 798 2002.. 6 682 316	2 X
3231161	Unit set business forms, loose or bound	2003.. 1 184 248 2002.. 1 214 353	3 X
3231163	Manifold books and pegboard accounting systems	2003.. 80 347 2002.. 94 848	4 X
3231165	Custom continuous business forms	2003.. 1 679 246 2002.. 1 845 865	3 X
3231167	Stock continuous business forms	2003.. 624 456 2002.. 682 384	4 X
3231169	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	2003.. 1 383 490 2002.. 1 591 788	6 X
323116W	Manifold business forms printing, nsk, total	2003.. 1 187 010 2002.. 1 253 078	6 X
323117	Books printing	2003.. 4 683 765 2002.. 4 779 947	1 X
3231171	Textbook printing and binding	2003.. 1 154 413 2002.. 1 152 697	1 X
3231173	Technical, scientific, and professional book printing and binding	2003.. 535 471 2002.. 552 876	5 X
3231175	Religious book printing and binding	2003.. 330 202 2002.. 327 086	3 X
3231177	General book (trade, etc.) printing and binding	2003.. 1 215 921 2002.. 1 237 756	1 X
3231179	Other book printing and binding	2003.. 800 920 2002.. 859 517	2 X
323117A	Books, printing only, not bound	2003.. 44 672 2002.. 62 643	7 X
323117C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	2003.. 108 252 2002.. 103 659	14 X
323117W	Books printing, nsk, total	2003.. 493 915 2002.. 483 713	3 X
323118	Blankbook, looseleaf binders, and devices manufacturing	2003.. 1 474 650 2002.. 1 505 329	4 X
3231181	Blankbook making, except checkbooks	2003.. 388 009 2002.. 380 592	11 X
3231183	Looseleaf binders, devices, and forms	2003.. 942 027 2002.. 937 615	2 X
323118W	Blankbook, looseleaf binders and devices manufacturing, nsk, total	2003.. 144 614 2002.. 187 122	24 X
323119	Other commercial printing	2003.. 2 655 370 2002.. 2 581 775	8 X
3231193	Label and wrapper printing (letterpress)	2003.. 325 893 2002.. 343 919	2 X
3231199	Advertising printing (letterpress)	2003.. 367 707 2002.. 351 239	3 X
323119C	Other commercial and general job printing (letterpress)	2003.. 630 071 2002.. 554 311	10 X
323119E	Engraving (printing)	2003.. 163 213 2002.. 143 749	2 X
323119J	All other commercial and general job printing (excluding lithographic (offset), gravure, flexographic, screen, quick, digital, letterpress, and engraving printing)	2003.. 106 702 2002.. 101 394	3 X
323119W	Other commercial printing, nsk, total	2003.. 1 061 784 2002.. 1 087 163	19 X
323121	Tradebinding and related work	2003.. 2 301 368 2002.. 2 329 213	3 X
3231211	Edition, library, and other hardcover binding of books (printed elsewhere)	2003.. 348 600 2002.. 343 172	3 X
3231215	Softcover, pamphlet, sample book, and other binding of books and materials printed elsewhere	2003.. 639 147 2002.. 673 910	4 X
3231217	Miscellaneous binding and postpress work, including collating, perforating, folding, gluing, die-cutting, gold or foil stamping, etc.	2003.. 918 728 2002.. 919 899	4 X
323121W	Tradebinding and related work, nsk, total	2003.. 394 892 2002.. 392 232	8 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
323122	Prepress services	2003..	3 766 483	3
		2002..	4 082 553	X
3231221	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	2003..	2 318 192	4
		2002..	2 556 076	X
3231223	Printing plates, prepared for printing (excluding blank plates)	2003..	759 490	6
		2002..	828 500	X
323122W	Prepress services, nsk, total	2003..	688 800	5
		2002..	697 977	X
324110	Petroleum refineries	2003..	207 829 959	1
		2002..	186 904 805	X
3241101	Gasoline, including finished base stocks and blending agents	2003..	106 032 380	1
		2002..	96 062 616	X
3241104	Jet fuel	2003..	17 793 706	1
		2002..	16 730 732	X
3241107	Kerosene, excluding jet fuel	2003..	730 998	1
		2002..	749 518	X
324110A	Light fuel oils	2003..	43 329 398	1
		2002..	38 714 479	X
324110D	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.	2003..	7 208 342	1
		2002..	6 132 764	X
324110G	Petroleum lubricating oils and greases, made in a refinery ²	2003..	1 249 316	1
		2002..	1 157 968	X
324110J	Unfinished oils and lubricating oil base stock	2003..	9 725 248	1
		2002..	8 465 540	X
324110M	Asphalt	2003..	5 126 211	1
		2002..	4 323 290	X
324110P	Liquefied refinery gases (aliphatics), made in a refinery ²	2003..	8 076 993	1
		2002..	6 689 403	X
324110T	Other finished petroleum products, including waxes, made in a refinery ²	2003..	8 423 896	2
		2002..	7 673 057	X
324110W	Petroleum refineries, nsk, total	2003..	133 471	16
		2002..	205 438	X
324121	Asphalt paving mixture and block manufacturing	2003..	7 318 915	1
		2002..	7 099 927	X
3241210	Asphalt paving mixtures and blocks	2003..	7 318 915	1
		2002..	7 099 927	X
324122	Asphalt shingle and coating materials manufacturing	2003..	6 112 248	1
		2002..	5 536 762	X
3241221	Roofing asphalts and pitches, coatings, and cements	2003..	1 074 207	1
		2002..	920 825	X
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	2003..	4 868 620	1
		2002..	4 459 182	X
324122W	Asphalt shingle and coating materials manufacturing, nsk, total	2003..	169 421	4
		2002..	156 755	X
324191	Petroleum lubricating oil and grease manufacturing	2003..	7 286 057	3
		2002..	6 399 520	X
3241910	Petroleum lubricating oils and greases, made from refined petroleum ²	2003..	7 286 057	3
		2002..	6 399 520	X
324199	All other petroleum and coal products manufacturing	2003..	1 775 622	4
		2002..	1 804 327	X
3241991	Coke oven and blast furnace products, made in coke oven establishments ²	2003..	577 805	1
		2002..	541 361	X
3241992	All other petroleum and coal products (excluding coke oven products), made in coke oven establishments ²	2003..	1 106 191	6
		2002..	1 160 649	X
324199W	All other petroleum and coal products manufacturing, nsk, total	2003..	91 626	3
		2002..	102 317	X
325110	Petrochemical manufacturing	2003..	19 323 687	1
		2002..	16 640 883	X
3251101	Aromatics (benzene, toluene, xylene, etc.), made in petrochemical plants ²	2003..	8 370 950	2
		2002..	8 048 498	X
3251104	Liquefied refinery gases (aliphatics), made in petrochemical plants ²	2003..	10 934 989	1
		2002..	8 452 801	X
325110W	Petrochemical manufacturing nsk, total	2003..	17 747	1
		2002..	139 584	X
325120	Industrial gas manufacturing	2003..	6 225 061	1
		2002..	5 929 480	X
3251201	Acetylene ³	2003..	54 834	15
		2002..	55 446	X
3251204	Carbon dioxide ³	2003..	473 165	5
		2002..	434 199	X
3251207	Nitrogen ³	2003..	1 203 946	2
		2002..	1 153 794	X
325120A	Oxygen ³	2003..	824 863	2
		2002..	807 423	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325120	Industrial gas manufacturing—Con.		
325120C	Argon and hydrogen ³	2003.. 1 814 196 2002.. 1 741 796	1 X
325120G	Fluorocarbon gases	2003.. 740 019 2002.. 694 756	1 X
325120U	Other industrial gases	2003.. 676 024 2002.. 654 892	9 X
325120W	Industrial gas manufacturing, nsk, total	2003.. 438 014 2002.. 387 174	3 X
325131	Inorganic dye and pigment manufacturing	2003.. 4 217 175 2002.. 3 749 115	1 X
3251311	Titanium dioxide, composite and pure ³	2003.. 2 997 808 2002.. 2 551 674	1 X
3251314	Other white opaque pigments	2003.. 178 576 2002.. 185 383	15 X
3251317	Chrome colors and other inorganic pigments	2003.. 980 294 2002.. 943 481	2 X
325131W	Inorganic dye and pigment manufacturing, nsk, total	2003.. 60 498 2002.. 68 577	6 X
325132	Synthetic organic dye and pigment manufacturing	2003.. 2 307 866 2002.. 2 514 132	2 X
3251321	Synthetic organic dyes	2003.. 901 062 2002.. 991 929	2 X
3251324	Synthetic organic pigments, lakes, and toners	2003.. 1 346 091 2002.. 1 447 870	3 X
325132W	Synthetic organic dye and pigment manufacturing, nsk, total	2003.. 60 712 2002.. 74 333	50 X
325181	Alkalies and chlorine manufacturing	2003.. 3 744 208 2002.. 2 941 680	1 X
3251811	Chlorine, compressed or liquefied ³	2003.. 1 429 177 2002.. 979 384	1 X
3251814	Sodium hydroxide (caustic soda) ³	2003.. 1 715 060 2002.. 1 396 397	1 X
3251817	Other alkalies	2003.. 562 840 2002.. 539 751	1 X
325181W	Alkalies and chlorine manufacturing, nsk, total	2003.. 37 131 2002.. 26 148	1 X
325182	Carbon black manufacturing	2003.. 1 143 731 2002.. 1 046 719	1 X
3251820	Carbon black, all processes	2003.. 1 143 731 2002.. 1 046 719	1 X
325188	All other basic inorganic chemical manufacturing	2003.. 13 149 905 2002.. 13 571 474	1 X
3251881	Sulfuric acid ³	2003.. 641 758 2002.. 672 824	4 X
3251884	Inorganic acids, excluding nitric, sulfuric and phosphoric ³	2003.. 528 712 2002.. 578 182	13 X
3251887	Other inorganic aluminum compounds ³	2003.. 1 222 436 2002.. 1 320 173	1 X
325188A	Potassium and sodium compounds, excluding bleaches, alkalies, and alum ³	2003.. 1 899 456 2002.. 2 018 667	3 X
325188D	Chemical catalytic preparations, excluding silica gel catalyst	2003.. 2 383 291 2002.. 2 188 749	1 X
325188H	All other inorganic chemicals	2003.. 5 698 577 2002.. 5 934 914	3 X
325188W	All other basic inorganic chemical manufacturing, nsk, total	2003.. 775 676 2002.. 857 965	5 X
325191	Gum and wood chemical manufacturing	2003.. 1 065 877 2002.. 1 024 694	2 X
3251910	Gum and wood chemicals, including wood distillation products	2003.. 1 065 877 2002.. 1 024 694	2 X
325192	Cyclic crude and intermediate manufacturing	2003.. 6 496 342 2002.. 6 794 763	3 X
3251921	Cyclic (coal tar) intermediates	2003.. 6 044 150 2002.. 6 142 483	3 X
3251924	Tar, tar crudes, and tar pitches	2003.. 443 023 2002.. 634 072	1 X
325192W	Cyclic crude and intermediate manufacturing, nsk, total	2003.. 9 169 2002.. 18 208	1 X
325193	Ethyl alcohol manufacturing	2003.. 3 421 580 2002.. 3 009 125	6 X
3251930	Ethyl alcohol	2003.. 3 421 580 2002.. 3 009 125	6 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325199	All other basic organic chemical manufacturing	2003..	48 626 694	2
		2002..	45 678 922	X
3251991	Fatty acids	2003..	1 613 780	2
		2002..	1 574 666	X
3251994	Bulk pesticides and other bulk synthetic organic agricultural chemicals, excluding preparations	2003..	1 488 827	2
		2002..	1 198 701	X
3251997	Industrial organic flavor oil mixtures and blends	2003..	449 360	3
		2002..	464 090	X
325199A	Reagent and high-purity grades of organic chemicals refined from purchased technical grades	2003..	598 075	3
		2002..	552 346	X
325199E	Natural organic chemicals	2003..	1 465 207	7
		2002..	1 429 633	X
325199G	Synthetic organic alcohols, unmixed	2003..	1 947 933	3
		2002..	1 816 454	X
325199H	Synthetic organic chemicals for use as flavor and perfume materials	2003..	1 137 209	2
		2002..	1 246 888	X
325199K	Synthetic organic rubber-processing chemicals	2003..	382 066	2
		2002..	401 508	X
325199N	Synthetic organic plasticizers	2003..	587 848	2
		2002..	589 162	X
325199R	Other synthetic organic chemicals	2003..	7 812 375	11
		2002..	6 976 838	X
325199T	Miscellaneous end use chemicals and chemical products, excluding urea	2003..	14 999 329	1
		2002..	14 203 603	X
325199V	Miscellaneous cyclic and acyclic chemicals and chemical products, excluding fatty acid esters	2003..	15 346 343	1
		2002..	14 182 208	X
325199W	All other basic organic chemical manufacturing, nsk, total	2003..	798 343	16
		2002..	1 042 825	X
325211	Plastics material and resin manufacturing	2003..	49 248 367	1
		2002..	46 136 949	X
3252111	Thermoplastic resins and plastics materials	2003..	40 420 345	1
		2002..	37 633 647	X
3252114	Thermosetting resins and plastics materials	2003..	7 891 564	2
		2002..	7 904 972	X
325211W	Plastics material and resin manufacturing, nsk, total	2003..	936 459	3
		2002..	598 330	X
325212	Synthetic rubber manufacturing	2003..	6 291 377	1
		2002..	5 778 261	X
3252120	Synthetic rubber (vulcanizable elastomers)	2003..	6 291 377	1
		2002..	5 778 261	X
325221	Cellulosic organic fiber manufacturing	2003..	1 009 212	1
		2002..	971 021	X
3252210	Rayon, acetate, and lyocell manufactured fibers ²	2003..	1 009 212	1
		2002..	971 021	X
325222	Noncellulosic organic fiber manufacturing	2003..	7 424 775	1
		2002..	7 346 676	X
3252221	Nylon and other polyamide manufactured fibers ²	2003..	2 827 371	1
		2002..	2 644 689	X
3252224	Polyolefin manufactured fibers ²	2003..	426 685	3
		2002..	420 089	X
3252227	Polyester manufactured fibers ²	2003..	1 839 283	1
		2002..	1 877 248	X
325222A	Other manufactured noncellulosic fibers (excluding glass, carbon, and graphite) ²	2003..	867 431	1
		2002..	865 283	X
325222D	Producer-textured manufactured noncellulosic fibers	2003..	1 422 504	1
		2002..	1 492 871	X
325222W	Noncellulosic organic fiber manufacturing, nsk, total	2003..	41 501	1
		2002..	46 496	X
325311	Nitrogenous fertilizer manufacturing	2003..	4 297 722	1
		2002..	3 562 905	X
3253111	Synthetic ammonia, nitric acid, and ammonium compounds ³	2003..	3 381 862	1
		2002..	2 629 945	X
3253114	Urea ³	2003..	682 604	4
		2002..	739 533	X
3253117	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials	2003..	60 050	10
		2002..	61 357	X
325311W	Nitrogenous fertilizer manufacturing, nsk, total	2003..	173 206	10
		2002..	132 070	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325312	Phosphatic fertilizer manufacturing	2003..	4 102 203	1
		2002..	3 805 332	X
3253121	Phosphoric acid ³	2003..	1 178 506	2
		2002..	1 138 139	X
3253124	Superphosphates and other phosphatic fertilizer materials ³	2003..	2 652 142	1
		2002..	2 436 974	X
3253127	Mixed fertilizers, made in plants which manufacture fertilizer materials ²	2003..	217 944	1
		2002..	219 998	X
325312W	Phosphatic fertilizer manufacturing, nsk, total	2003..	53 611	42
		2002..	10 221	X
325314	Fertilizer (mixing only) manufacturing	2003..	2 976 289	2
		2002..	2 831 330	X
3253140	Mixed fertilizers, mixing only ²	2003..	2 976 289	2
		2002..	2 831 330	X
325320	Pesticide and other agricultural chemical manufacturing	2003..	10 126 344	1
		2002..	9 497 903	X
3253201	Agricultural and commercial pesticides and chemicals	2003..	6 622 707	1
		2002..	6 170 098	X
3253204	Lawn and garden pesticides and chemicals	2003..	433 623	7
		2002..	345 477	X
3253207	Household and institutional pesticides and chemicals	2003..	2 719 479	4
		2002..	2 502 204	X
325320W	Pesticide and other agricultural chemical manufacturing, nsk, total	2003..	350 535	3
		2002..	480 124	X
325411	Medicinal and botanical manufacturing	2003..	11 297 808	1
		2002..	13 303 201	X
3254111	Synthetic organic medicinal chemicals, in bulk ³	2003..	8 375 282	2
		2002..	10 293 803	X
3254114	Medicinals and botanicals, all other medicinal chemicals and botanical products, in bulk	2003..	2 728 907	1
		2002..	2 844 019	X
325411W	Medicinal and botanical manufacturing, nsk, total	2003..	193 620	1
		2002..	165 379	X
325412	Pharmaceutical preparation manufacturing	2003..	110 631 685	2
		2002..	103 117 074	X
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use ³	2003..	21 038 865	8
		2002..	17 528 298	X
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use ³	2003..	23 649 437	3
		2002..	23 963 224	X
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use ³	2003..	9 563 921	6
		2002..	10 503 877	X
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use ³	2003..	14 060 577	1
		2002..	12 559 042	X
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use ³	2003..	14 762 181	1
		2002..	13 100 454	X
325412G	Pharmaceutical preparations, acting on skin, for human use ³	2003..	2 806 283	1
		2002..	2 653 260	X
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematonic preparations, for human use ³	2003..	7 220 496	4
		2002..	6 250 589	X
325412P	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (excluding diagnostics) ³	2003..	12 002 147	2
		2002..	11 347 130	X
325412T	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics ³	2003..	2 547 242	2
		2002..	2 512 095	X
325412V	In vivo diagnostic substances	2003..	1 971 298	3
		2002..	1 737 541	X
325412W	Pharmaceutical preparation manufacturing, nsk, total	2003..	1 009 237	4
		2002..	961 564	X
325413	In-vitro diagnostic substances manufacturing	2003..	8 010 422	3
		2002..	8 249 946	X
3254130	In-vitro diagnostic substances	2003..	8 010 422	3
		2002..	8 249 946	X
325414	Biological product (except diagnostic) manufacturing	2003..	9 289 074	1
		2002..	8 431 081	X
3254141	Blood and blood derivatives, for human use	2003..	1 750 040	1
		2002..	1 727 729	X
3254144	Vaccines, toxoids, and antigens, excluding allergens, for human use	2003..	2 739 030	1
		2002..	2 485 287	X
3254147	Other biologics, excluding diagnostic, for human use	2003..	2 565 776	1
		2002..	2 165 164	X
325414A	Biological products, excluding diagnostic, for veterinary, industrial, and all other miscellaneous uses	2003..	1 919 208	2
		2002..	1 795 724	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325414	Biological product (except diagnostic) manufacturing—Con.		
325414W	Biological product (except diagnostic) manufacturing, nsk, total	2003.. 315 020 2002.. 257 177	11 X
325510	Paint and coating manufacturing	2003.. 19 057 614 2002.. 19 316 504	1 X
3255101	Architectural coatings ³	2003.. 7 591 864 2002.. 7 763 279	1 X
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings ³	2003.. 5 230 830 2002.. 5 295 393	2 X
3255107	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc. ³	2003.. 3 588 177 2002.. 3 289 244	2 X
325510B	Miscellaneous allied paint products, including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc. ³	2003.. 1 321 474 2002.. 1 354 955	4 X
325510W	Paint and coating manufacturing, nsk, total	2003.. 1 325 269 2002.. 1 613 633	7 X
325520	Adhesive manufacturing	2003.. 7 616 616 2002.. 7 387 049	3 X
3255201	Natural base glues and adhesives	2003.. 338 850 2002.. 250 525	5 X
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives	2003.. 4 906 987 2002.. 4 416 684	5 X
3255207	Structural sealants (load-bearing)	2003.. 563 425 2002.. 734 810	10 X
325520A	Nonstructural caulking compounds and sealants	2003.. 1 489 721 2002.. 1 482 516	2 X
325520W	Adhesive manufacturing, nsk, total	2003.. 317 633 2002.. 502 514	32 X
325611	Soap and other detergent manufacturing	2003.. 15 792 185 2002.. 16 213 496	2 X
3256111	Soaps and detergents, commercial, industrial, and institutional	2003.. 6 833 222 2002.. 6 947 259	3 X
3256114	Household detergents	2003.. 3 523 626 2002.. 3 852 011	3 X
3256117	Soaps, excluding specialty cleaners, household	2003.. 2 493 182 2002.. D	1 X
325611A	Glycerin, natural	2003.. 18 029 2002.. D	1 X
325611D	Toothpaste, including gels and toothpowder	2003.. 1 369 413 2002.. 1 557 067	1 X
325611W	Soap and other detergent manufacturing, nsk, total	2003.. 1 554 714 2002.. 1 355 806	4 X
325612	Polish and other sanitation good manufacturing	2003.. 8 695 563 2002.. 8 112 961	3 X
3256121	Household bleaches (chlorine and nonchlorine) ³	2003.. 1 095 704 2002.. 963 590	8 X
3256125	Specialty cleaning and sanitation products	2003.. 5 244 828 2002.. 4 859 590	4 X
3256127	Polishing preparations and related products	2003.. 1 676 692 2002.. 1 684 683	6 X
325612W	Polish and other sanitation good manufacturing, nsk, total	2003.. 678 339 2002.. 605 098	7 X
325613	Surface active agent manufacturing	2003.. 5 670 277 2002.. 6 204 036	1 X
3256130	Surfactants, finishing agents, and assistants	2003.. 5 670 277 2002.. 6 204 036	1 X
325620	Toilet preparation manufacturing	2003.. 27 052 972 2002.. 30 430 169	1 X
3256201	Shaving preparations	2003.. 677 357 2002.. 622 630	1 X
3256204	Perfumes, toilet waters, and colognes	2003.. 2 819 058 2002.. 2 997 336	1 X
3256207	Hair preparations (including shampoos)	2003.. 5 937 646 2002.. 7 993 433	2 X
325620A	Dentifrices, mouthwashes, gargles, and rinses	2003.. 1 003 717 2002.. 1 240 606	2 X
325620D	Creams, lotions and oils, excluding shaving, hair, and deodorant	2003.. 5 520 665 2002.. 6 134 297	1 X
325620G	Other cosmetics and toilet preparations	2003.. 9 028 075 2002.. 9 335 438	1 X
325620W	Toilet preparation manufacturing, nsk, total	2003.. 2 066 453 2002.. 2 106 429	2 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
325910	Printing ink manufacturing	2003..	3 884 591	2
		2002..	4 018 353	X
3259101	Letterpress printing inks	2003..	112 447	2
		2002..	118 266	X
3259104	Lithographic and offset inks	2003..	1 493 102	5
		2002..	1 636 129	X
3259107	Gravure printing inks	2003..	430 728	7
		2002..	487 558	X
325910A	Flexographic printing inks	2003..	806 234	7
		2002..	798 837	X
325910E	Nonimpact/digital inks	2003..	254 935	3
		2002..	239 120	X
325910H	All other printing inks	2003..	295 210	3
		2002..	312 060	X
325910W	Printing ink manufacturing, nsk, total	2003..	491 935	3
		2002..	426 383	X
325920	Explosives manufacturing	2003..	808 619	5
		2002..	901 131	X
3259200	Explosives	2003..	808 619	5
		2002..	901 131	X
325991	Custom compounding of purchased resins	2003..	7 344 122	1
		2002..	7 102 410	X
3259911	Custom compounding of purchased resins and color concentrates	2003..	5 339 112	2
		2002..	5 729 573	X
3259912	Resins in the form of pellets from spent or post consumer plastics	2003..	550 925	5
		2002..	519 828	X
325991W	Custom compounding of purchased resins, nsk, total	2003..	1 454 086	2
		2002..	853 009	X
325992	Photographic film, paper, plate, and chemical manufacturing	2003..	7 387 533	1
		2002..	9 208 293	X
3259921	Photographic sensitized film, plates, paper, and cloth, silver halide type (excluding X-ray)	2003..	3 531 664	1
		2002..	5 039 491	X
3259923	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including X-ray)	2003..	1 884 508	1
		2002..	1 858 098	X
3259925	Prepared photographic chemicals	2003..	1 724 311	2
		2002..	1 890 761	X
325992W	Photographic film, paper, plate, and chemical manufacturing, nsk, total	2003..	247 050	4
		2002..	419 943	X
325998	All other miscellaneous chemical product and preparation manufacturing	2003..	12 520 846	1
		2002..	12 390 709	X
3259981	Evaporated salt (bulk, pressed blocks, and packaged), excluding table salt	2003..	653 174	4
		2002..	613 466	X
3259984	Matches	2003..	48 086	3
		2002..	49 997	X
3259987	Gelatin, excluding ready-to-eat desserts	2003..	491 470	1
		2002..	521 432	X
325998A	Water treating compounds	2003..	2 580 977	1
		2002..	2 530 799	X
325998E	Automotive chemicals	2003..	1 070 514	3
		2002..	1 037 626	X
325998J	All other chemical preparations, including essential oils and water-treating compounds ³	2003..	6 173 495	1
		2002..	6 280 475	X
325998W	All other miscellaneous chemical product and preparation manufacturing, nsk, total	2003..	1 503 130	2
		2002..	1 356 914	X
326111	Plastics bag manufacturing	2003..	7 638 259	2
		2002..	7 424 341	X
3261111	Single-web film specialty bags, pouches, and liners	2003..	6 528 365	2
		2002..	6 477 347	X
3261113	Multiweb film/film combination specialty bags, pouches, and liners	2003..	672 460	4
		2002..	687 190	X
326111W	Plastics bag manufacturing, nsk, total	2003..	437 435	4
		2002..	259 804	X
326112	Plastics packaging film and sheet (including laminated) manufacturing	2003..	7 774 263	1
		2002..	7 146 036	X
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2003..	4 892 980	2
		2002..	4 363 831	X
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2003..	2 709 319	2
		2002..	2 687 640	X
326112W	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2003..	171 965	6
		2002..	94 565	X
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2003..	13 346 724	3
		2002..	13 786 078	X
3261130	Unlaminated plastics film and sheet, excluding packaging	2003..	13 346 724	3
		2002..	13 786 078	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326121	Unlaminated plastics profile shape manufacturing	2003..	5 473 505	2
		2002..	5 310 883	X
3261210	Unlaminated plastics profile shapes	2003..	5 473 505	2
		2002..	5 310 883	X
326122	Plastics pipe and pipe fitting manufacturing	2003..	5 451 887	1
		2002..	5 367 809	X
3261221	Plastics pipe	2003..	4 582 717	1
		2002..	4 521 427	X
3261223	Plastics pipe fittings and unions	2003..	626 820	7
		2002..	572 172	X
326122W	Plastics pipe and pipe fitting manufacturing, total	2003..	242 350	10
		2002..	274 210	X
326130	Laminated plastics plate, sheet (except packaging), and shape manufacturing	2003..	2 277 435	2
		2002..	2 267 581	X
3261300	Thermosetting plastics laminates (excluding flexible packaging)	2003..	2 277 435	2
		2002..	2 267 581	X
326140	Polystyrene foam product manufacturing	2003..	5 699 052	4
		2002..	6 048 541	X
3261401	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	2003..	480 168	4
		2002..	460 295	X
3261402	Packaging, polystyrene foam products	2003..	1 647 872	6
		2002..	1 780 397	X
3261403	Building and construction polystyrene foam products	2003..	1 023 206	5
		2002..	1 041 660	X
3261404	Furniture and furnishings polystyrene foam products	2003..	41 737	1
		2002..	33 313	X
3261405	Consumer and institutional polystyrene foam products	2003..	1 982 611	10
		2002..	2 151 620	X
3261406	Miscellaneous polystyrene foam products	2003..	277 922	8
		2002..	295 385	X
326140W	Polystyrene foam product manufacturing, nsk, total	2003..	245 536	8
		2002..	285 871	X
326150	Urethane and other foam product (except polystyrene) manufacturing	2003..	7 169 594	6
		2002..	6 694 217	X
3261501	Transportation polyurethane foam products	2003..	1 669 629	11
		2002..	1 551 815	X
3261502	Packaging polyurethane foam products	2003..	341 679	8
		2002..	365 549	X
3261503	Building and construction polyurethane foam	2003..	491 998	1
		2002..	479 721	X
3261504	Furniture and furnishings polyurethane foam products	2003..	2 836 881	5
		2002..	2 550 631	X
3261505	Consumer and institutional polyurethane foam products	2003..	286 834	4
		2002..	262 723	X
3261506	All other miscellaneous polyurethane foam products	2003..	443 485	12
		2002..	392 442	X
3261509	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	2003..	827 945	38
		2002..	811 476	X
326150W	Urethane and other foam product (except polystyrene) manufacturing, nsk, total	2003..	271 144	4
		2002..	279 860	X
326160	Plastics bottle manufacturing	2003..	8 275 097	2
		2002..	7 955 610	X
3261600	Plastics bottles	2003..	8 275 097	2
		2002..	7 955 610	X
326191	Plastics plumbing fixture manufacturing	2003..	3 251 825	6
		2002..	3 123 128	X
3261910	Plastics plumbing fixtures	2003..	3 251 825	6
		2002..	3 123 128	X
326192	Resilient floor covering manufacturing	2003..	1 699 801	1
		2002..	1 584 637	X
3261920	Resilient floor coverings	2003..	1 699 801	1
		2002..	1 584 637	X
326199	All other plastics product manufacturing	2003..	71 003 933	1
		2002..	69 849 885	X
3261991	Transportation fabricated plastics products (excluding foam and reinforced plastics)	2003..	15 525 537	3
		2002..	14 669 472	X
3261992	Electrical and electronic fabricated plastics (excluding foam and reinforced plastics)	2003..	4 679 275	10
		2002..	4 545 106	X
3261993	Industrial machinery plastics products, excluding foam (including gears, bearings, bushings, cams, and other components)	2003..	1 311 958	3
		2002..	1 378 351	X
3261994	Plastics packaging (excluding film and sheet, foam, and bottles)	2003..	9 092 723	2
		2002..	8 943 964	X
3261995	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (excluding foam and cups)	2003..	2 214 863	2
		2002..	2 162 649	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326199	All other plastics product manufacturing—Con.		
326199B	Consumer, institutional, and commercial fabricated plastics products (excluding foam and wire coated)	2003.. 15 552 188 2002.. 16 282 051	1 X
3261998	Building and construction fabricated plastics products (excluding foam, plumbing fixtures, hardware, or reinforced plastics)	2003.. 10 170 126 2002.. 9 310 151	2 X
3261999	Plastics shoe products, including taps, soling slabs, and quarterlinings	2003.. 147 262 2002.. 145 974	19 X
326199A	All other reinforced and fiberglass plastics products	2003.. 5 330 773 2002.. 5 319 197	5 X
326199W	All other plastics product manufacturing, nsk, total	2003.. 6 979 228 2002.. 7 092 970	4 X
326211	Tire manufacturing (except retreading)	2003.. 13 448 231 2002.. 12 775 583	1 X
3262111	Passenger car pneumatic tires (casings)	2003.. 6 578 459 2002.. 6 240 162	2 X
3262113	Truck and bus (including off-the-highway pneumatic tires)	2003.. 4 749 565 2002.. 4 440 885	1 X
3262117	Tractor and implement (farm and industrial) pneumatic tires	2003.. 524 851 2002.. 492 224	1 X
3262119	Industrial and utility pneumatic tires (including garden)	2003.. 242 686 2002.. 234 814	1 X
326211B	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	2003.. 232 219 2002.. 237 739	1 X
326211D	Solid and semipneumatic tires	2003.. 194 996 2002.. 175 722	1 X
326211F	Inner tubes	2003.. 71 161 2002.. 74 461	2 X
326211H	Tread rubber, tire sundries, and repair materials	2003.. 686 129 2002.. 721 242	5 X
326211W	Tires manufacturing (except retreading), nsk, total	2003.. 168 165 2002.. 158 334	11 X
326212	Tire retreading	2003.. 945 831 2002.. 861 986	7 X
3262120	Tire rebuilding and retreading	2003.. 945 831 2002.. 861 986	7 X
326220	Rubber and plastics hoses and belting manufacturing	2003.. 3 857 880 2002.. 3 851 743	1 X
3262201	Flat rubber and plastics belts and belting	2003.. 619 338 2002.. 645 137	3 X
3262202	Rubber and plastics transmission belts and belting other than flat	2003.. 792 179 2002.. 768 744	1 X
3262203	Hose for on- and off-highway motor vehicles (made of rubber and other materials) (including plastics and nylon)	2003.. 765 033 2002.. 815 351	1 X
3262204	Industrial rubber and plastics hose without fittings (acid and chemical handling, food and beverage, petroleum curb pump, dock, transfer, and other industrial hose)	2003.. 548 332 2002.. 530 784	3 X
3262205	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose)	2003.. 147 806 2002.. 149 411	1 X
3262206	Rubber and plastics garden hose (with or without fittings)	2003.. 323 702 2002.. 349 074	1 X
3262207	Rubber and plastics inner tube type air hose (other than pneumatic power transfer)	2003.. 91 500 2002.. 97 928	4 X
3262208	All other pneumatic and hydraulic hose, without fittings, made of rubber and other materials (plastics, nylon, etc.)	2003.. 367 078 2002.. 332 285	3 X
326220W	Rubber and plastics hoses and belting manufacturing, nsk, total	2003.. 202 913 2002.. 163 029	5 X
326291	Rubber product manufacturing for mechanical use	2003.. 6 803 474 2002.. 7 076 010	1 X
3262911	Molded rubber mechanical goods automotive	2003.. 3 177 311 2002.. 3 322 346	1 X
3262912	Molded rubber mechanical goods, transportation (excluding automotive) and off-highway machinery and equipment	2003.. 627 292 2002.. 624 232	2 X
3262913	Other molded rubber mechanical goods	2003.. 1 030 837 2002.. 1 067 847	2 X
3262914	Extruded rubber mechanical goods, automotive, excluding tubing	2003.. 1 029 816 2002.. 1 116 982	1 X
3262915	Other extruded rubber mechanical goods (excluding automotive)	2003.. 424 181 2002.. 422 708	5 X
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	2003.. 55 181 2002.. 53 607	9 X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
326291	Rubber product manufacturing for mechanical use—Con.		
3262917	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	2003.. 77 440 2002.. 84 208	5 X
326291W	Rubber product manufacturing for mechanical use, nsk, total	2003.. 381 415 2002.. 384 080	8 X
326299	All other rubber product manufacturing	2003.. 6 638 389 2002.. 6 368 884	2 X
3262991	Rubber sponge, expanded and foam rubber products	2003.. 756 781 2002.. 802 162	4 X
3262993	Rubber floor and wall coverings	2003.. 721 589 2002.. 714 747	2 X
3262994	Shoe products, rubber, elastomer resin	2003.. 71 467 2002.. 75 309	5 X
326299A	Rubber druggist and medical sundries, excluding household gloves	2003.. 426 974 2002.. 468 672	5 X
3262996	Rubber compounds or mixtures for sale or interplant transfer	2003.. 1 912 907 2002.. 1 766 649	1 X
3262997	All other industrial rubber products	2003.. 1 384 700 2002.. 1 308 403	6 X
326299B	All other miscellaneous rubber goods	2003.. 609 127 2002.. 622 848	4 X
326299W	All other rubber product manufacturing, nsk, total	2003.. 754 843 2002.. 610 094	4 X
327111	Vitreous china plumbing fixture and china and earthenware bathroom accessories manufacturing	2003.. 905 055 2002.. 979 448	1 X
3271110	Vitreous plumbing fixtures	2003.. 905 055 2002.. 979 448	1 X
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2003.. 917 477 2002.. 928 607	3 X
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	2003.. 322 617 2002.. 327 599	3 X
3271125	All other pottery products (including china decorated for the trade)	2003.. 538 301 2002.. 529 438	4 X
327112W	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, total	2003.. 56 559 2002.. 71 570	27 X
327113	Porcelain electrical supply manufacturing	2003.. 965 153 2002.. 1 023 124	3 X
3271130	Porcelain, steatite, and other ceramic electrical products	2003.. 965 153 2002.. 1 023 124	3 X
327121	Brick and structural clay tile manufacturing	2003.. 1 839 026 2002.. 1 767 367	2 X
3271210	Brick and structural clay tile ³	2003.. 1 839 026 2002.. 1 767 367	2 X
327122	Ceramic wall and floor tile manufacturing	2003.. 877 056 2002.. 905 503	1 X
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) ³	2003.. 877 056 2002.. 905 503	1 X
327123	Other structural clay product manufacturing	2003.. 192 853 2002.. 191 380	2 X
3271231	Vitrified clay sewer pipe and fittings ³	2003.. 52 104 2002.. 50 407	1 X
3271234	All other structural clay products (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories ³	2003.. 135 692 2002.. 136 443	3 X
327123W	Other structural clay product manufacturing, nsk, total	2003.. 5 057 2002.. 4 530	1 X
327124	Clay refractory manufacturing	2003.. 858 944 2002.. 844 122	4 X
3271240	Clay refractories ³	2003.. 858 944 2002.. 844 122	4 X
327125	Nonclay refractory manufacturing	2003.. 1 015 558 2002.. 995 497	6 X
3271250	Nonclay refractories (except dead-burned magnesia) ³	2003.. 1 015 558 2002.. 995 497	6 X
327211	Flat glass manufacturing	2003.. 2 802 964 2002.. 2 690 928	1 X
3272111	Flat glass (float, sheet, and plate process), made by flat glass producers ³	2003.. 2 106 389 2002.. 2 006 371	1 X
3272114	Other glass products, made by flat glass producers ²	2003.. 694 902 2002.. 682 630	1 X
327211W	Flat glass manufacturing, nsk, total	2003.. 1 673 2002.. 1 927	3 X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327212	Other pressed and blown glass and glassware manufacturing	2003..	4 153 572	1
		2002..	4 708 157	X
3272121	Glass fiber mat, textile-type, made by establishments producing glass ³	2003..	1 418 671	1
		2002..	1 489 084	X
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by glass producers ⁵	2003..	946 340	1
		2002..	970 555	X
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by glass producers ⁴	2003..	865 633	1
		2002..	1 280 417	X
3272127	All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by glass producers ⁴	2003..	614 912	1
		2002..	629 964	X
3272129	Handmade pressed and blown glassware, made by glass producers ²	2003..	98 840	9
		2002..	118 784	X
327212W	Other pressed and blown glass and glassware manufacturing, nsk, total	2003..	209 177	3
		2002..	219 353	X
327213	Glass container manufacturing	2003..	4 342 878	1
		2002..	4 344 817	X
3272130	Glass containers ³	2003..	4 342 878	1
		2002..	4 344 817	X
327215	Glass product manufacturing made of purchased glass	2003..	10 498 069	2
		2002..	10 409 562	X
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass ⁴	2003..	635 487	3
		2002..	654 251	X
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass ⁴	2003..	846 846	3
		2002..	854 671	X
3272155	Handmade pressed and blown glassware, made from purchased glass ⁴	2003..	128 425	1
		2002..	134 678	X
3272159	Mirrors (decorated and undecorated), made from purchased glass ³	2003..	1 771 647	7
		2002..	1 483 181	X
327215B	Other glass products, made from purchased glass ⁴	2003..	6 432 591	2
		2002..	6 478 890	X
327215W	Glass product manufacturing made of purchased glass, nsk, total	2003..	683 072	23
		2002..	803 891	X
327310	Cement manufacturing	2003..	7 213 450	1
		2002..	7 206 346	X
3273100	Cement, hydraulic (including cost of shipping containers)	2003..	7 213 450	1
		2002..	7 206 346	X
327320	Ready-mix concrete manufacturing	2003..	21 201 985	2
		2002..	20 387 302	X
3273200	Ready-mix concrete	2003..	21 201 985	2
		2002..	20 387 302	X
327331	Concrete block and brick manufacturing	2003..	3 547 279	4
		2002..	3 425 723	X
3273310	Concrete block and brick	2003..	3 547 279	4
		2002..	3 425 723	X
327332	Concrete pipe manufacturing	2003..	2 441 338	5
		2002..	2 352 738	X
3273320	Concrete pipe	2003..	2 441 338	5
		2002..	2 352 738	X
327390	Other concrete product manufacturing	2003..	7 994 402	2
		2002..	8 394 908	X
3273901	Precast concrete products	2003..	5 424 935	2
		2002..	5 528 029	X
3273904	Prestressed concrete products	2003..	1 341 073	3
		2002..	1 532 841	X
327390W	Other concrete product manufacturing, nsk, total	2003..	1 228 394	7
		2002..	1 334 038	X
327410	Lime manufacturing	2003..	986 174	3
		2002..	977 101	X
3274100	Lime	2003..	986 174	3
		2002..	977 101	X
327420	Gypsum product manufacturing	2003..	4 365 227	2
		2002..	3 914 118	X
3274201	Gypsum building materials	2003..	3 534 040	2
		2002..	2 946 471	X
3274205	Other gypsum products	2003..	598 508	10
		2002..	777 541	X
327420W	Gypsum product manufacturing, nsk, total	2003..	232 680	1
		2002..	190 106	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
327910	Abrasive product manufacturing	2003..	3 462 330	1
		2002..	3 367 704	X
3279101	Nonmetallic sized grains, powders, and flour abrasives (including graded products only)	2003..	711 121	3
		2002..	586 700	X
3279104	Nonmetallic abrasive products (including diamond abrasives)	2003..	937 258	3
		2002..	944 382	X
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	2003..	1 469 771	2
		2002..	1 522 272	X
327910A	Metal abrasives including steel and iron grid, shot, and sand, and other metal abrasives	2003..	184 905	3
		2002..	130 499	X
327910W	Abrasive product manufacturing, nsk, total	2003..	159 275	10
		2002..	183 851	X
327991	Cut stone and stone product manufacturing	2003..	2 339 282	3
		2002..	2 199 091	X
3279911	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	2003..	1 006 874	6
		2002..	886 880	X
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	2003..	303 775	3
		2002..	267 530	X
3279917	Dressed dimension marble and other stone	2003..	422 627	8
		2002..	403 837	X
327991W	Cut stone and stone product manufacturing, nsk, total	2003..	606 006	7
		2002..	640 844	X
327992	Ground or treated mineral and earth manufacturing	2003..	2 200 534	4
		2002..	1 983 653	X
3279920	Treated minerals and earths ³	2003..	2 200 534	4
		2002..	1 983 653	X
327993	Mineral wool manufacturing	2003..	4 546 591	2
		2002..	4 727 995	X
3279931	Mineral wool for thermal and acoustical envelope insulation (for homes and commercial, and industrial buildings)	2003..	2 970 814	1
		2002..	2 919 906	X
3279934	Mineral wool for industrial, equipment, and appliance insulation	2003..	1 306 634	5
		2002..	1 392 508	X
327993W	Mineral wool manufacturing, nsk, total	2003..	269 143	14
		2002..	415 581	X
327999	All other nonmetallic mineral product manufacturing	2003..	1 993 158	3
		2002..	1 830 646	X
3279990	All other nonmetallic mineral products	2003..	1 993 158	3
		2002..	1 830 646	X
331111	Iron and steel mills	2003..	43 640 423	1
		2002..	43 925 719	X
3311111	Coke oven and blast furnace products, made in steel mills ²	2003..	1 187 379	2
		2002..	947 986	X
3311113	Steel ingots and semifinished shapes and forms, made in steel mills ³	2003..	2 819 588	1
		2002..	3 521 492	X
3311115	Hot rolled steel sheet and strip (including tin mill products, tinplate, blackplate, terneplate, and tin-free steel), made in steel mills ³	2003..	15 302 778	1
		2002..	15 774 610	X
3311117	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling (including concrete reinforcing and tool steel bars), made in steel mills ³	2003..	10 818 739	1
		2002..	10 769 497	X
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars ⁴	2003..	349 725	4
		2002..	360 762	X
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate ⁴	2003..	1 465 583	4
		2002..	1 794 054	X
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip ⁴	2003..	9 689 095	1
		2002..	9 173 225	X
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes ⁴	2003..	782 912	1
		2002..	644 345	X
331111H	Seamless rolled ring forgings, ferrous, made in steel mills ²	2003..	83 639	19
		2002..	75 703	X
331111J	Open die and smith forgings (hammer and press), ferrous, made in steel mills ²	2003..	214 579	4
		2002..	187 842	X
331111L	Other steel mill products, including steel rails, except wire products ³	2003..	618 553	9
		2002..	552 733	X
331111W	Iron and steel mills, nsk, total	2003..	307 853	6
		2002..	123 470	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331112	Electrometallurgical ferroalloy product manufacturing	2003..	757 122	1
		2002..	814 749	X
3311121	Ferrochromium, including briquettes, ferrochromium silicon, exothermic chromium additives, and other chromium alloys	2003..	—	1
		2002..	—	X
3311123	Ferrosilicon, including briquettes, and other silicon alloys	2003..	80 025	1
		2002..	163 491	X
3311125	Other ferroalloys	2003..	677 097	1
		2002..	651 258	X
331112W	Electrometallurgical ferroalloy product manufacturing, nsk, total	2003..	—	1
		2002..	—	X
331210	Iron and steel pipe and tube manufacturing from purchased steel	2003..	6 413 480	2
		2002..	6 654 913	X
3312100	Iron and steel pipes and tubes, made from purchased iron and steel ⁴	2003..	6 413 480	2
		2002..	6 654 913	X
331221	Rolled steel shape manufacturing	2003..	5 693 467	2
		2002..	5 839 875	X
3312211	Cold rolled steel sheet and strip, made from purchased steel ⁴	2003..	4 166 395	2
		2002..	4 287 446	X
3312213	Cold finished steel bars and bar shapes, made from purchased steel ⁴	2003..	1 050 475	3
		2002..	1 103 739	X
3312215	Iron and steel powders, paste, and flakes, made from purchased steel	2003..	397 232	8
		2002..	396 588	X
331221W	Rolled steel shape manufacturing, nsk, total	2003..	79 366	18
		2002..	52 102	X
331222	Steel wire drawing	2003..	3 770 272	2
		2002..	4 015 083	X
3312221	Noninsulated ferrous wire rope, cable, and fabricated wire rope assemblies (including lifting slings), made in plants that draw wire ⁴	2003..	819 768	2
		2002..	868 100	X
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire ⁴	2003..	298 283	9
		2002..	297 119	X
3312225	Steel wire, including galvanized and other coated wire, made in plants that draw wire ⁴	2003..	1 498 540	2
		2002..	1 654 791	X
3312227	Steel fencing and fence gates, made in plants that draw wire ⁴	2003..	300 022	6
		2002..	292 751	X
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire ⁴	2003..	60 616	1
		2002..	62 598	X
331222B	Other ferrous wire products (excluding springs), made in plants that draw wire ⁴	2003..	619 395	5
		2002..	680 911	X
331222W	Steel wire drawing, nsk, total	2003..	173 646	5
		2002..	158 813	X
331311	Alumina refining	2003..	631 636	1
		2002..	558 081	X
3313110	Aluminum oxide, except natural alumina ³	2003..	631 636	1
		2002..	558 081	X
331312	Primary aluminum production	2003..	4 495 786	1
		2002..	4 914 793	X
3313120	Aluminum ingot, including billet, made in primary aluminum reduction plants ²	2003..	4 495 786	1
		2002..	4 914 793	X
331314	Secondary smelting and alloying of aluminum	2003..	3 543 875	1
		2002..	3 486 388	X
3313142	Aluminum ingot, including billet, made by secondary smelters ²	2003..	2 965 823	1
		2002..	2 952 464	X
3313145	Aluminum and aluminum-base alloy powders, paste, and flakes from purchased aluminum	2003..	404 628	1
		2002..	368 141	X
331314W	Secondary smelting and alloying of aluminum, nsk, total	2003..	173 425	6
		2002..	165 783	X
331315	Aluminum sheet, plate, and foil manufacturing	2003..	10 982 934	1
		2002..	10 755 580	X
3313151	Aluminum plate (thickness of 0.25 in. or more), including continuous cast	2003..	584 858	1
		2002..	589 429	X
3313153	Aluminum sheet and strip, including continuous cast	2003..	9 404 393	1
		2002..	9 190 350	X
3313155	Plain aluminum foil (less than .006 in. thick)	2003..	794 500	1
		2002..	792 980	X
3313157	Aluminum welded tube	2003..	96 839	8
		2002..	105 930	X
331315W	Aluminum sheet, plate, and foil manufacturing, nsk, total	2003..	102 344	1
		2002..	76 891	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331316	Aluminum extruded product manufacturing	2003..	5 211 838	2
		2002..	5 391 686	X
3313161	Extruded aluminum rod, bar, and other extruded shapes	2003..	4 506 352	2
		2002..	4 677 193	X
3313163	Extruded and drawn aluminum tube	2003..	650 500	9
		2002..	649 974	X
331316W	Aluminum extruded product manufacturing, nsk, total	2003..	54 986	6
		2002..	64 519	X
331319	Other aluminum rolling and drawing	2003..	1 533 013	1
		2002..	1 441 186	X
3313192	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2003..	378 830	1
		2002..	379 475	X
3313193	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2003..	281 746	1
		2002..	172 004	X
331319D	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum ²	2003..	228 516	1
		2002..	304 344	X
331319E	Aluminum insulated wire and cable ²	2003..	551 744	1
		2002..	476 064	X
331319W	Other aluminum rolling and drawing, nsk, total	2003..	92 177	4
		2002..	109 299	X
331411	Primary smelting and refining of copper	2003..	2 039 703	1
		2002..	2 212 133	X
3314110	Primary smelting and refining of copper ²	2003..	2 039 703	1
		2002..	2 212 133	X
331419	Primary smelting and refining of nonferrous metal (except copper and aluminum)	2003..	2 436 785	2
		2002..	2 501 791	X
3314193	Primary smelting and refining of zinc ²	2003..	262 095	5
		2002..	245 001	X
3314197	Primary precious metals and precious metal alloys ²	2003..	516 875	4
		2002..	646 552	X
331419A	All other miscellaneous primary nonferrous metals ²	2003..	1 532 798	2
		2002..	1 506 253	X
331419W	Primary smelting and refining of nonferrous metal (except copper and aluminum), nsk, total	2003..	125 017	1
		2002..	103 985	X
331421	Copper rolling, drawing, and extruding	2003..	6 236 000	1
		2002..	5 868 034	X
3314211	Copper wire, bare and tinned (nonelectrical), made in rolling mills	2003..	288 261	1
		2002..	306 884	X
3314213	Copper and copper-base alloy rod, bar, and shapes	2003..	2 796 267	1
		2002..	2 656 801	X
3314217	Copper and copper-base alloy sheet, strip, and plate	2003..	1 208 361	1
		2002..	1 083 062	X
3314219	Copper and copper-base alloy pipe and tube	2003..	1 871 936	1
		2002..	1 779 723	X
331421W	Copper rolling, drawing, and extruding, nsk, total	2003..	71 175	29
		2002..	41 564	X
331422	Copper wire (except mechanical) drawing	2003..	2 499 136	1
		2002..	2 663 475	X
3314222	Copper and copper-base alloy wire, strand, and cable, made in plants that draw wire	2003..	716 832	2
		2002..	711 260	X
3314224	Copper wire and cable, including apparatus wire, cord, and flexible cord sets, made in copper wire drawing plants ²	2003..	1 021 052	2
		2002..	1 143 374	X
3314225	Copper magnet wire (except fiber optic), made in plants that draw wire ³	2003..	697 923	1
		2002..	769 401	X
331422W	Copper wire (except mechanical) drawing, nsk, total	2003..	63 329	25
		2002..	39 440	X
331423	Secondary smelting, refining, and alloying of copper	2003..	703 151	9
		2002..	625 812	X
3314230	Secondary smelting, refining, and alloying of copper ²	2003..	703 151	9
		2002..	625 812	X
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	2003..	4 115 702	2
		2002..	4 396 353	X
3314912	Nickel and nickel-base alloy mill shapes	2003..	1 027 641	2
		2002..	1 106 797	X
3314913	Titanium and titanium-base alloy mill shapes	2003..	868 691	3
		2002..	838 664	X
331491A	Precious metal mill shapes	2003..	547 532	11
		2002..	703 478	X
331491D	All other nonferrous metal mill shapes	2003..	1 290 573	3
		2002..	1 360 525	X
331491F	Apparatus wire and cord and flexible cord sets (except aluminum, copper, wiring harnesses and fiber optic), made in plants that draw wire ⁴	2003..	61 752	1
		2002..	61 740	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
331491	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding—Con.		
331491H	Magnet wire, (except aluminum and copper), made in plants that draw wire ³ 2003..	16 206	1
	..... 2002..	14 693	X
331491W	Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding, nsk, total..... 2003..	303 308	10
	..... 2002..	310 456	X
331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)..... 2003..	2 746 919	3
	..... 2002..	2 451 163	X
3314921	Other nonferrous metal powders, paste, and flakes..... 2003..	1 174 776	7
	..... 2002..	1 001 430	X
3314927	Secondary smelting, refining, and alloying of zinc ² 2003..	160 178	2
	..... 2002..	169 477	X
3314929	Secondary precious metals and precious metal alloys ² 2003..	386 922	7
	..... 2002..	332 934	X
331492B	All other miscellaneous secondary nonferrous metals ² 2003..	786 129	2
	..... 2002..	800 094	X
331492W	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum), nsk, total..... 2003..	238 914	1
	..... 2002..	147 228	X
331511	Iron foundries..... 2003..	9 575 739	1
	..... 2002..	9 794 555	X
3315111	Ductile iron pressure pipe and fittings ³ 2003..	1 662 299	1
	..... 2002..	1 549 981	X
3315113	Other ductile iron castings ³ 2003..	2 773 120	1
	..... 2002..	2 980 628	X
3315115	Cast iron pressure pipe and fittings ³ 2003..	33 255	7
	..... 2002..	35 398	X
3315117	Cast iron soil pipe and fittings, all sizes ³ 2003..	299 969	1
	..... 2002..	309 976	X
3315119	Other gray iron castings ³ 2003..	4 380 897	1
	..... 2002..	4 476 228	X
331511A	Standard malleable iron castings ³ 2003..	88 088	5
	..... 2002..	92 887	X
331511C	Pearlitic malleable iron castings ³ 2003..	118 923	1
	..... 2002..	130 962	X
331511E	Molds and stools for heavy steel ingots ³ 2003..	42 757	4
	..... 2002..	42 664	X
331511W	Iron foundries, nsk, total..... 2003..	176 431	4
	..... 2002..	175 831	X
331512	Steel investment foundries..... 2003..	1 861 792	2
	..... 2002..	2 128 652	X
3315120	Steel investment castings ³ 2003..	1 861 792	2
	..... 2002..	2 128 652	X
331513	Steel foundries (except investment)..... 2003..	2 589 435	3
	..... 2002..	2 433 573	X
3315131	Other carbon steel castings, except investment ³ 2003..	1 243 055	4
	..... 2002..	1 152 828	X
3315133	High alloy steel castings, except investment ³ 2003..	639 098	4
	..... 2002..	608 266	X
3315135	Other alloy steel castings, except investment ³ 2003..	595 721	11
	..... 2002..	554 591	X
331513W	Steel foundries (except investment), nsk, total..... 2003..	111 560	4
	..... 2002..	117 888	X
331521	Aluminum die-casting foundries..... 2003..	3 970 102	5
	..... 2002..	4 318 278	X
3315210	Aluminum die-castings ³ 2003..	3 970 102	5
	..... 2002..	4 318 278	X
331522	Nonferrous (except aluminum) die-casting foundries..... 2003..	1 789 071	3
	..... 2002..	1 813 240	X
3315220	Nonferrous (except aluminum) die-castings ³ 2003..	1 789 071	3
	..... 2002..	1 813 240	X
331524	Aluminum foundries (except die-casting)..... 2003..	3 364 180	3
	..... 2002..	3 494 517	X
3315240	Aluminum foundries ³ 2003..	3 364 180	3
	..... 2002..	3 494 517	X
331525	Copper foundries (except die-casting)..... 2003..	748 945	4
	..... 2002..	747 645	X
3315250	Copper foundries ³ 2003..	748 945	4
	..... 2002..	747 645	X
331528	Other nonferrous foundries (except die-casting)..... 2003..	797 837	4
	..... 2002..	749 678	X
3315280	Other nonferrous foundries ³ 2003..	797 837	4
	..... 2002..	749 678	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332111	Iron and steel forging	2003..	3 816 033	3
		2002..	3 988 037	X
3321111	Hot impression die impact, press, and upset steel forgings	2003..	2 565 967	3
		2002..	2 517 824	X
3321113	Cold impression die impact, press, and upset steel forgings	2003..	392 681	7
		2002..	422 452	X
3321115	Seamless rolled ring forgings, ferrous, made from purchased iron and steel ²	2003..	274 040	4
		2002..	297 526	X
3321117	Open die and smith forgings (hammer and press), ferrous, made from purchased iron and steel ²	2003..	385 353	4
		2002..	470 840	X
332111W	Iron and steel forging, nsk, total	2003..	197 992	40
		2002..	279 395	X
332112	Nonferrous forging	2003..	1 782 072	3
		2002..	1 861 605	X
3321121	Hot impression die impact, press, and upset nonferrous forgings	2003..	1 306 360	4
		2002..	1 381 988	X
3321122	Other nonferrous forgings	2003..	437 551	1
		2002..	440 291	X
332112W	Nonferrous forging, nsk, total	2003..	38 161	3
		2002..	39 326	X
332114	Custom roll forming	2003..	4 410 806	3
		2002..	4 007 080	X
3321140	Custom roll form products	2003..	4 410 806	3
		2002..	4 007 080	X
332115	Crown and closure manufacturing	2003..	867 980	1
		2002..	900 861	X
3321150	Crowns and closures	2003..	867 980	1
		2002..	900 861	X
332116	Metal stamping	2003..	9 030 251	3
		2002..	8 830 659	X
3321161	Job stampings, except automotive	2003..	6 183 807	4
		2002..	5 952 758	X
3321163	Metal spinning products, excluding cooking and kitchen utensils	2003..	160 316	12
		2002..	149 363	X
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products	2003..	1 668 262	8
		2002..	1 668 171	X
332116W	Metal stamping, nsk, total	2003..	1 017 867	5
		2002..	1 060 367	X
332117	Powder metallurgy part manufacturing	2003..	1 342 509	8
		2002..	1 293 105	X
3321170	Powder metallurgy parts	2003..	1 342 509	8
		2002..	1 293 105	X
332211	Cutlery and flatware (except precious) manufacturing	2003..	1 853 015	3
		2002..	1 814 120	X
3322112	Cutlery, scissors, shears, trimmers, and snips	2003..	614 139	9
		2002..	648 485	X
3322113	Razor blades and razors, except electric	2003..	1 190 560	1
		2002..	1 118 872	X
332211W	Cutlery and flatware (except precious) manufacturing, nsk, total	2003..	48 315	2
		2002..	46 763	X
332212	Hand and edge tool manufacturing	2003..	5 252 970	2
		2002..	5 677 742	X
3322122	Mechanics' hand service tools	2003..	1 687 400	2
		2002..	2 035 341	X
3322123	Edge tools, hand-operated	2003..	469 507	10
		2002..	501 847	X
3322125	Dies and interchangeable cutting tools, for machines and power-driven handtools	2003..	837 955	2
		2002..	798 978	X
3322128	All other miscellaneous handtools	2003..	1 094 921	3
		2002..	1 177 616	X
3322129	Precision measuring tools (inspection, quality control, tool room, and machinists')	2003..	724 040	3
		2002..	713 047	X
332212W	Hand and edge tool manufacturing, nsk, total	2003..	439 147	5
		2002..	450 913	X
332213	Saw blade and handsaw manufacturing	2003..	1 083 063	3
		2002..	1 188 013	X
3322130	Saw blades and handsaws	2003..	1 083 063	3
		2002..	1 188 013	X

See footnotes at end of table.

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332214	Kitchen utensil, pot, and pan manufacturing	2003.. 1 246 893 2002.. 1 247 603	7 X
3322141	Stamped and spun utensils, cooking and kitchen, aluminum	2003.. 787 520 2002.. 825 053	11 X
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum	2003.. 450 460 2002.. 413 254	3 X
332214W	Kitchen utensil, pot, and pan manufacturing, nsk, total	2003.. 8 913 2002.. 9 296	1 X
332311	Prefabricated metal building and component manufacturing	2003.. 4 597 034 2002.. 4 744 875	2 X
3323111	Prefabricated metal building and component systems (excluding farm service buildings, residential buildings, and parts)	2003.. 2 860 940 2002.. 2 985 957	2 X
3323113	Other prefabricated and portable metal buildings and parts	2003.. 1 143 804 2002.. 1 203 628	4 X
332311W	Prefabricated metal building and component manufacturing, nsk, total	2003.. 592 290 2002.. 555 290	5 X
332312	Fabricated structural metal manufacturing	2003.. 17 342 782 2002.. 17 432 760	3 X
3323121	Fabricated structural metal bar joists and concrete reinforcing bars	2003.. 9 006 103 2002.. 9 474 726	4 X
3323123	Fabricated structural metal for bridges	2003.. 1 074 290 2002.. 1 024 854	8 X
3323125	Other fabricated structural metal	2003.. 4 392 240 2002.. 3 976 557	4 X
332312W	Fabricated structural metal manufacturing, nsk, total	2003.. 2 870 149 2002.. 2 956 623	7 X
332313	Plate work manufacturing	2003.. 2 954 736 2002.. 3 206 237	6 X
3323130	Fabricated plate work (stacks and weldments)	2003.. 2 954 736 2002.. 3 206 237	6 X
332321	Metal window and door manufacturing	2003.. 10 486 527 2002.. 10 355 512	1 X
3323211	Metal doors (except storm doors)	2003.. 5 569 300 2002.. 5 372 931	1 X
3323213	Metal windows (except storm sash)	2003.. 2 295 328 2002.. 2 224 168	2 X
3323215	Metal molding and trim and store fronts	2003.. 851 046 2002.. 988 156	3 X
3323217	Metal combination screen, storm sash, and storm doors	2003.. 555 991 2002.. 544 830	2 X
3323219	Metal window and door screens (except combination) and metal weather strip	2003.. 345 071 2002.. 340 780	4 X
332321W	Metal window and door manufacturing, nsk, total	2003.. 869 791 2002.. 884 647	7 X
332322	Sheet metal work manufacturing	2003.. 14 962 501 2002.. 14 643 650	3 X
3323221	Sheet metal air-conditioning ducts and stove pipe	2003.. 2 178 655 2002.. 1 946 826	7 X
3323223	Sheet metal culverts, flumes, irrigation pipes, etc.	2003.. 499 860 2002.. 557 674	13 X
3323227	Sheet metal roofing and roof drainage equipment	2003.. 1 591 252 2002.. 1 417 019	12 X
3323229	Sheet metal flooring and siding	2003.. 901 645 2002.. 921 549	13 X
332322A	Sheet metal awnings, canopies, cornices, and soffits	2003.. 640 113 2002.. 684 375	8 X
332322C	Sheet metal electronic enclosures	2003.. 2 446 508 2002.. 2 340 049	5 X
332322G	Other sheet metal work	2003.. 4 138 976 2002.. 3 616 545	4 X
332322F	Metal studs, nonload and load-bearing (iron, steel, and aluminum)	2003.. 467 787 2002.. 333 965	2 X
332322W	Sheet metal work manufacturing, nsk, total	2003.. 2 097 707 2002.. 2 825 648	13 X
332323	Ornamental and architectural metal work manufacturing	2003.. 5 149 951 2002.. 5 201 688	3 X
3323231	Metal grilles, registers, and air diffusers	2003.. 561 094 2002.. 575 893	3 X
3323233	Ornamental and architectural metal work	2003.. 1 716 599 2002.. 1 605 588	4 X
3323236	Open metal flooring, grating, and studs	2003.. 358 116 2002.. 364 762	8 X
3323237	Metal scaffolding and shoring and forming for concrete work	2003.. 609 100 2002.. 567 481	3 X
3323239	Other architectural and ornamental work	2003.. 1 155 077 2002.. 1 219 720	8 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332323	Ornamental and architectural metal work manufacturing—Con.			
332323W	Ornamental and architectural metal work manufacturing, nsk, total	2003..	749 966	7
		2002..	868 244	X
332410	Power boiler and heat exchanger manufacturing	2003..	2 978 825	11
		2002..	3 316 556	X
3324101	Fabricated heat exchangers and steam condensers (except nuclear applications)	2003..	1 617 620	11
		2002..	1 443 108	X
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications)	2003..	579 117	45
		2002..	956 644	X
3324107	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	2003..	263 835	9
		2002..	204 298	X
332410W	Power boiler and heat exchanger manufacturing, nsk, total	2003..	518 254	13
		2002..	712 506	X
332420	Metal tank (heavy gauge) manufacturing	2003..	4 546 358	3
		2002..	4 450 329	X
3324207	Gas cylinders	2003..	483 657	6
		2002..	506 386	X
3324209	Metal tanks, complete at factory (standard line pressure)	2003..	647 508	6
		2002..	568 981	X
332420C	Metal tanks, complete at factory (standard line nonpressure)	2003..	639 979	10
		2002..	503 947	X
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected	2003..	1 307 191	5
		2002..	1 222 557	X
332420G	Metal tanks and vessels, custom fabricated and field erected	2003..	1 100 724	3
		2002..	1 137 825	X
332420W	Metal tank (heavy gauge) manufacturing, nsk, total	2003..	367 298	9
		2002..	510 633	X
332431	Metal can manufacturing	2003..	10 894 791	1
		2002..	11 016 574	X
3324311	Steel cans and tinware products	2003..	4 210 573	1
		2002..	4 077 534	X
3324313	Aluminum (including lids, ends, and parts shipped separately)	2003..	6 592 921	1
		2002..	6 863 690	X
332431W	Metal can manufacturing, nsk, total	2003..	91 297	1
		2002..	75 350	X
332439	Other metal container manufacturing	2003..	3 134 962	5
		2002..	2 825 151	X
3324391	Steel pails (1 to 12 gallon capacity) and fabricated steel boxes	2003..	854 899	14
		2002..	741 462	X
3324393	Steel shipping barrels and drums (excluding beer barrels) (more than 12 gallon capacity)	2003..	596 071	4
		2002..	630 194	X
3324396	All other metal container manufacturing	2003..	1 208 603	6
		2002..	1 111 692	X
332439W	Other metal container manufacturing, nsk, total	2003..	475 388	5
		2002..	341 803	X
332510	Hardware manufacturing	2003..	9 453 550	1
		2002..	9 736 503	X
3325102	Furniture hardware (excluding cabinet hardware)	2003..	710 752	3
		2002..	749 412	X
3325104	Builders' hardware	2003..	4 602 378	1
		2002..	4 773 366	X
3325106	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	2003..	2 489 679	2
		2002..	2 628 099	X
3325107	Other transportation equipment hardware (except motor vehicle hardware)	2003..	381 932	11
		2002..	359 113	X
332510A	All other miscellaneous hardware	2003..	639 917	8
		2002..	568 383	X
332510W	Hardware manufacturing, nsk, total	2003..	628 892	12
		2002..	658 130	X
332611	Spring (heavy gauge) manufacturing	2003..	751 821	4
		2002..	678 760	X
3326111	Hot formed steel springs, except wire	2003..	380 335	5
		2002..	314 092	X
3326113	Cold formed steel springs, except wire	2003..	324 814	8
		2002..	335 293	X
332611W	Spring (heavy gauge) manufacturing, nsk, total	2003..	46 672	7
		2002..	29 375	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332612	Spring (light gauge) manufacturing	2003..	2 149 404	5
		2002..	2 179 274	X
3326122	Precision mechanical wire springs	2003..	770 643	5
		2002..	832 425	X
3326124	Other wire springs	2003..	1 300 290	8
		2002..	1 272 361	X
332612W	Spring (light gauge) manufacturing, nsk, total	2003..	78 471	19
		2002..	74 488	X
332618	Other fabricated wire product manufacturing	2003..	5 598 632	2
		2002..	5 548 101	X
3326181	Noninsulated ferrous wire rope, cable, forms, and strand, made from purchased wire ²	2003..	670 012	3
		2002..	634 072	X
3326182	Other fabricated wire products, made from purchased wire	2003..	252 236	9
		2002..	218 248	X
3326183	Ferrous wire cloth and other ferrous woven wire products, made from purchased wire ²	2003..	144 040	17
		2002..	154 823	X
3326185	Nonferrous wire cloth and other nonferrous woven wire products, made from purchased wire	2003..	76 484	15
		2002..	64 554	X
3326187	Steel fencing and fence gates, made from purchased wire ²	2003..	248 264	8
		2002..	253 748	X
3326189	Steel nails, staples, tacks, spikes, and brads, made from purchased wire ²	2003..	355 293	1
		2002..	374 374	X
332618B	Other ferrous wire products (excluding springs), made from purchased wire ²	2003..	2 601 661	3
		2002..	2 716 622	X
332618W	Other fabricated wire product manufacturing, nsk, total	2003..	1 250 642	7
		2002..	1 131 660	X
332710	Machine shops	2003..	24 284 407	2
		2002..	24 643 978	X
3327100	Receipts for machine shop job work and job order repairs	2003..	24 284 407	2
		2002..	24 643 978	X
332721	Precision turned product manufacturing	2003..	8 344 935	3
		2002..	8 445 941	X
3327211	Precision turned products, automotive	2003..	2 267 474	3
		2002..	2 126 078	X
3327215	Precision turned products (made on CNC equipment or screw machines), except automotive	2003..	5 039 956	3
		2002..	4 313 768	X
332721W	Precision turned product manufacturing, nsk, total	2003..	1 037 504	15
		2002..	2 006 095	X
332722	Bolt, nut, screw, rivet, and washer manufacturing	2003..	6 914 208	2
		2002..	7 178 202	X
3327221	Aircraft fasteners, except plastics (including aerospace) (meet specifications for flying vehicles)	2003..	1 088 453	7
		2002..	1 180 488	X
3327223	Externally threaded metal fasteners (except aircraft types)	2003..	2 653 680	2
		2002..	2 830 694	X
3327225	Internally threaded metal fasteners (except aircraft types)	2003..	618 039	8
		2002..	631 713	X
3327227	Nonthreaded metal fasteners (except aircraft types)	2003..	1 115 614	4
		2002..	956 861	X
332722A	Products (except fasteners), made by cold-heading (or warm- or hot-heading) processes	2003..	912 761	3
		2002..	1 013 797	X
332722W	Bolt, nut, screw, rivet, and washer manufacturing, nsk, total	2003..	525 662	7
		2002..	564 649	X
332811	Metal heat treating	2003..	3 247 748	7
		2002..	3 439 795	X
3328110	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	2003..	3 247 748	7
		2002..	3 439 795	X
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	2003..	9 311 741	1
		2002..	9 600 630	X
3328120	Metal coating, engraving, and allied services	2003..	9 311 741	1
		2002..	9 600 630	X
332813	Electroplating, plating, polishing, anodizing, and coloring	2003..	5 581 058	2
		2002..	5 715 929	X
3328130	Electroplating, plating, polishing, anodizing, and coloring	2003..	5 581 058	2
		2002..	5 715 929	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332911	Industrial valve manufacturing	2003..	7 687 407	1
		2002..	8 045 502	X
3329111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	2003..	1 280 395	3
		2002..	1 409 810	X
3329113	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	2003..	1 091 932	1
		2002..	966 765	X
3329115	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	2003..	1 152 384	1
		2002..	1 087 458	X
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	2003..	484 189	3
		2002..	544 040	X
3329119	Industrial plug valves (all metals, pressures, and types), including lubricated, cylindrical eccentric, and sleeve-lined	2003..	231 833	1
		2002..	275 503	X
332911B	All other miscellaneous industrial valves	2003..	927 425	6
		2002..	990 832	X
332911D	Nuclear valves (N-stamp only)	2003..	108 683	1
		2002..	72 502	X
332911F	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service ³	2003..	1 827 160	2
		2002..	1 991 063	X
332911H	Solenoid-operated valves and parts, except nuclear and fluid power transfer ³	2003..	331 259	3
		2002..	377 718	X
332911W	Industrial valve manufacturing, nsk, total	2003..	252 148	3
		2002..	329 811	X
332912	Fluid power valve and hose fitting manufacturing	2003..	5 846 366	1
		2002..	5 676 990	X
3329121	Aerospace type hydraulic fluid power valves ³	2003..	694 629	3
		2002..	717 176	X
3329123	Aerospace type pneumatic fluid power valves ³	2003..	395 223	2
		2002..	400 619	X
3329125	Nonaerospace type hydraulic directional control valves ³	2003..	461 154	7
		2002..	419 135	X
3329127	Nonaerospace type hydraulic valves, except directional control ³	2003..	587 615	2
		2002..	563 123	X
3329129	Nonaerospace type pneumatic directional control valves ³	2003..	451 939	4
		2002..	492 388	X
332912B	Nonaerospace type pneumatic valves, except directional control ³	2003..	181 864	2
		2002..	142 130	X
332912D	Parts for fluid power valves ³	2003..	235 484	11
		2002..	184 326	X
332912F	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies ³	2003..	600 818	3
		2002..	638 325	X
332912H	Nonaerospace type flared (metal) fittings, couplings, and assemblies of tubing used in fluid power transfer systems ³	2003..	423 998	4
		2002..	391 254	X
332912J	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems ³	2003..	580 608	1
		2002..	536 414	X
332912L	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose ³	2003..	651 631	2
		2002..	706 617	X
332912N	Nonaerospace type hydraulic and pneumatic assemblies of hose ³	2003..	302 769	1
		2002..	274 125	X
332912W	Fluid power valve and hose fitting manufacturing, nsk, total	2003..	278 634	4
		2002..	211 358	X
332913	Plumbing fixture fitting and trim manufacturing	2003..	3 019 561	2
		2002..	3 138 725	X
3329131	Single lever plumbing fixture controls, two and three handle bath and shower fittings, and antiscald bath or shower valves (brass goods)	2003..	1 151 735	1
		2002..	1 144 127	X
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)	2003..	569 150	3
		2002..	544 718	X
3329138	Miscellaneous plumbing fixtures, fittings, and trim (brass goods)	2003..	1 087 268	5
		2002..	1 178 598	X
332913W	Plumbing fixture fitting and trim manufacturing, nsk, total	2003..	211 408	20
		2002..	271 282	X
332919	Other metal valve and pipe fitting manufacturing	2003..	2 733 936	3
		2002..	2 701 665	X
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods	2003..	585 331	3
		2002..	553 253	X
3329194	Metal fittings, flanges, and unions for piping systems	2003..	1 843 842	4
		2002..	1 791 819	X
332919W	Other metal valve and pipe fitting manufacturing, nsk, total	2003..	304 763	8
		2002..	356 593	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
332991	Ball and roller bearing manufacturing	2003..	5 524 793	1
		2002..	5 547 655	X
3329911	Ball bearings, complete, unmounted ³	2003..	1 829 257	3
		2002..	1 874 355	X
3329913	Tapered roller bearings (including cups and cones), unmounted ³	2003..	1 512 678	1
		2002..	1 465 005	X
3329915	Other roller bearings, unmounted ³	2003..	1 033 887	1
		2002..	1 043 692	X
3329917	Mounted bearings (except plain) ³	2003..	510 639	3
		2002..	469 668	X
3329919	Parts and components for ball and roller bearings (including balls and rollers), sold separately (excluding cups and cones) ³	2003..	581 110	1
		2002..	624 222	X
332991W	Ball and roller bearing manufacturing, nsk, total	2003..	57 221	1
		2002..	70 713	X
332992	Small arms ammunition manufacturing	2003..	911 193	1
		2002..	889 841	X
3329920	Small arms ammunition	2003..	911 193	1
		2002..	889 841	X
332993	Ammunition (except small arms) manufacturing	2003..	990 439	2
		2002..	809 147	X
3329931	Artillery ammunition (more than 30 mm, more than 1.18 in.)	2003..	531 341	3
		2002..	460 976	X
3329933	All other miscellaneous ammunition (except for small arms)	2003..	454 757	1
		2002..	342 820	X
332993W	Ammunition (except small arms) manufacturing, nsk, total	2003..	4 342	1
		2002..	5 351	X
332994	Small arms manufacturing	2003..	1 579 540	2
		2002..	1 528 027	X
3329941	Machine guns (30 mm or less, 1.18 in. or less)	2003..	D	S
		2002..	D	X
3329944	Small arms (30 mm or less, 1.18 in. or less)	2003..	D	S
		2002..	D	X
332994W	Small arms manufacturing, nsk, total	2003..	56 423	18
		2002..	66 961	X
332995	Other ordnance and accessories manufacturing	2003..	1 420 060	1
		2002..	1 335 825	X
3329951	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	2003..	859 203	2
		2002..	739 881	X
3329952	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	2003..	540 957	1
		2002..	573 228	X
332995W	Other ordnance and accessories manufacturing, nsk, total	2003..	19 901	2
		2002..	22 716	X
332996	Fabricated pipe and pipe fitting manufacturing	2003..	3 402 397	5
		2002..	3 605 906	X
3329960	Fabricated pipe and pipe fittings made from purchased pipe	2003..	3 402 397	5
		2002..	3 605 906	X
332997	Industrial pattern manufacturing	2003..	585 631	5
		2002..	617 342	X
3329970	Industrial patterns	2003..	585 631	5
		2002..	617 342	X
332998	Enameled iron and metal sanitary ware manufacturing	2003..	1 175 594	3
		2002..	1 229 839	X
3329980	Enameled iron and metal sanitary ware	2003..	1 175 594	3
		2002..	1 229 839	X
332999	All other miscellaneous fabricated metal product manufacturing	2003..	11 691 750	2
		2002..	11 755 386	X
3329992	Converted unmounted aluminum foil packaging products	2003..	718 173	2
		2002..	778 831	X
3329995	Miscellaneous machinery products	2003..	1 401 275	5
		2002..	1 327 423	X
3329997	Fabricated metal collapsible tubes	2003..	71 973	11
		2002..	74 277	X
3329999	Flat metal strapping	2003..	377 579	1
		2002..	395 967	X
332999B	Metal ladders	2003..	333 422	1
		2002..	342 391	X
332999H	All other miscellaneous fabricated metal products	2003..	5 499 729	3
		2002..	5 553 752	X
332999W	All other miscellaneous fabricated metal product manufacturing, nsk, total	2003..	3 289 601	3
		2002..	3 282 745	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333111	Farm machinery and equipment manufacturing	2003..	14 441 499	2
		2002..	13 537 170	X
3331111	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments) ³	2003..	3 311 656	2
		2002..	3 325 218	X
3331114	Farm dairy equipment, sprayers and dusters (except aerial types), farm blowers, and attachments ³	2003..	793 833	12
		2002..	650 877	X
3331117	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery ³	2003..	981 367	4
		2002..	825 062	X
3331119	Harvesting machinery (except hay and straw) and attachments ³	2003..	2 203 228	4
		2002..	2 001 231	X
333111A	Haying machinery and attachments ³	2003..	1 035 651	1
		2002..	767 915	X
333111C	Parts for farm machinery, for sale separately ³	2003..	1 307 732	9
		2002..	1 270 884	X
333111E	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments ³	2003..	257 058	16
		2002..	342 737	X
333111G	All other farm machinery and equipment (excluding parts), including attachments ³	2003..	1 969 152	6
		2002..	1 946 235	X
333111J	Commercial turf and grounds care equipment, including parts and attachments ³	2003..	1 915 507	4
		2002..	1 855 679	X
333111W	Farm machinery and equipment manufacturing, nsk, total	2003..	666 315	3
		2002..	551 332	X
333112	Lawn and garden tractor and home lawn and garden equipment manufacturing	2003..	7 569 495	1
		2002..	6 355 028	X
3331121	Consumer nonriding lawn, garden, and snow equipment ³	2003..	3 375 730	1
		2002..	2 712 635	X
3331123	Consumer riding lawn, garden, and snow equipment ³	2003..	3 276 194	3
		2002..	2 801 385	X
3331127	Parts and attachments for consumer lawn, garden, and snow equipment ³	2003..	826 454	1
		2002..	751 300	X
333112W	Lawn and garden tractor and home lawn and garden equipment manufacturing, nsk, total	2003..	91 116	10
		2002..	89 708	X
333120	Construction machinery manufacturing	2003..	17 872 846	1
		2002..	16 694 677	X
3331201	Power cranes, excavation loaders, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment ³	2003..	13 037 911	1
		2002..	11 971 192	X
3331208	Other construction machinery and equipment (excluding parts)	2003..	1 658 447	4
		2002..	1 879 437	X
3331209	Parts for construction machinery and equipment, sold separately	2003..	2 600 133	2
		2002..	2 276 126	X
333120W	Construction machinery manufacturing, nsk, total	2003..	576 356	16
		2002..	567 922	X
333131	Mining machinery and equipment manufacturing	2003..	2 047 782	1
		2002..	1 949 863	X
3331311	Underground mining machinery (except parts sold separately) ³	2003..	442 369	2
		2002..	476 036	X
3331313	Mineral processing and beneficiation machinery (except parts sold separately)	2003..	D	S
		2002..	D	X
3331315	Crushing, pulverizing, and screening machinery (except parts sold separately and portable crushing, screening, washing and combination plants) ³	2003..	278 314	2
		2002..	243 675	X
3331317	Drills and other mining machinery (except parts sold separately) ³	2003..	D	S
		2002..	D	X
3331319	Parts and attachments for mining machinery and equipment (sold separately)	2003..	731 603	2
		2002..	619 835	X
333131W	Mining machinery and equipment manufacturing, nsk, total	2003..	169 622	5
		2002..	176 678	X
333132	Oil and gas field machinery and equipment manufacturing	2003..	5 116 755	2
		2002..	4 958 938	X
3331321	Rotary oil and gas field drilling machinery and equipment	2003..	1 407 432	3
		2002..	1 380 119	X
3331323	Other oil and gas field drilling machinery and equipment	2003..	719 452	10
		2002..	790 394	X
3331325	Oil and gas field production machinery and equipment (except pumps)	2003..	2 015 434	4
		2002..	1 872 598	X
3331327	Portable drilling rigs and parts (above ground) ³	2003..	442 544	7
		2002..	381 313	X
3331329	Oil and gas field derricks and well surveying machinery	2003..	101 442	5
		2002..	103 898	X
333132W	Oil and gas field machinery and equipment manufacturing, nsk, total	2003..	430 451	6
		2002..	430 616	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333210	Sawmill and woodworking machinery manufacturing.....	2003..	888 778	3
		2002..	887 722	X
3332103	Woodworking machinery, including parts, attachments, and accessories	2003..	739 103	4
		2002..	735 769	X
3332105	Woodworking machinery for home workshops, garages, and service shops (excluding chainsaws and other power-driven handtools)	2003..	88 967	2
		2002..	85 265	X
333210W	Sawmill and woodworking machinery manufacturing, nsk, total	2003..	60 708	8
		2002..	66 688	X
333220	Plastics and rubber industry machinery manufacturing	2003..	2 524 821	2
		2002..	2 686 233	X
3332201	Plastics-working machinery and equipment, excluding patterns and molds	2003..	2 269 664	2
		2002..	2 379 486	X
3332203	Rubber-working machinery and equipment, excluding tire molds	2003..	198 382	5
		2002..	217 921	X
333220W	Plastics and rubber industry machinery manufacturing, nsk, total	2003..	56 775	36
		2002..	88 826	X
333291	Paper industry machinery manufacturing	2003..	1 770 863	4
		2002..	1 580 434	X
3332911	Paper industry machinery	2003..	943 930	4
		2002..	814 596	X
3332913	Parts and attachments for paper industry machinery (sold separately)	2003..	657 856	9
		2002..	584 007	X
333291W	Paper industry machinery manufacturing, nsk, total	2003..	169 078	6
		2002..	181 831	X
333292	Textile machinery manufacturing	2003..	785 127	5
		2002..	808 864	X
3332921	Textile machinery (except parts, attachments, and accessories)	2003..	462 313	7
		2002..	503 491	X
3332923	Parts and attachments for textile machinery	2003..	288 149	6
		2002..	269 175	X
333292W	Textile machinery manufacturing, nsk, total	2003..	34 665	13
		2002..	36 198	X
333293	Printing machinery and equipment manufacturing	2003..	2 498 247	3
		2002..	2 724 212	X
3332931	Printing presses, offset lithographic	2003..	401 064	4
		2002..	372 574	X
3332933	Printing presses, other than lithographic	2003..	272 474	8
		2002..	335 057	X
3332935	Typesetting machinery, excluding justifying typewriters	2003..	D	S
		2002..	D	X
3332937	Binding machinery and equipment (including paper cutting, collating, and gathering machines)	2003..	D	S
		2002..	D	X
3332939	All other miscellaneous printing trades machinery	2003..	1 289 954	4
		2002..	1 440 115	X
333293W	Printing machinery and equipment manufacturing, nsk, total	2003..	248 722	17
		2002..	318 909	X
333294	Food product machinery manufacturing	2003..	2 619 319	2
		2002..	2 549 270	X
3332941	Dairy and milk products plant machinery and equipment (except bottling and packaging)	2003..	277 225	7
		2002..	292 876	X
3332943	Commercial food products machinery (except packaging machinery and food cooking and warming equipment)	2003..	1 057 338	3
		2002..	992 111	X
3332945	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal and fowl feed	2003..	987 769	3
		2002..	997 722	X
333294W	Food product machinery manufacturing, nsk, total	2003..	296 987	8
		2002..	266 561	X
333295	Semiconductor machinery manufacturing	2003..	8 078 572	1
		2002..	8 788 193	X
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographic)	2003..	8 078 572	1
		2002..	8 788 193	X
333298	All other industrial machinery manufacturing	2003..	6 646 861	2
		2002..	7 029 144	X
3332981	Chemical manufacturing machinery, equipment, and parts	2003..	1 214 828	5
		2002..	1 312 363	X
3332983	Foundry machinery and equipment, excluding patterns and molds	2003..	371 432	12
		2002..	403 390	X
3332985	Printed circuit board manufacturing machinery, except testing	2003..	694 503	2
		2002..	977 625	X
3332987	All other miscellaneous special industry machinery and equipment ³	2003..	3 778 595	3
		2002..	3 718 304	X
333298W	All other industrial machinery manufacturing, nsk, total	2003..	587 504	7
		2002..	617 462	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333311	Automatic vending machine manufacturing	2003..	1 120 906	3
		2002..	1 310 196	X
3333111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	2003..	801 263	2
		2002..	824 047	X
3333113	Automatic merchandising machines, coin-operated mechanisms, including time switches	2003..	95 289	9
		2002..	124 903	X
3333114	Currency handling machines, including money changing and dispensing machines	2003..	174 292	14
		2002..	317 889	X
333311W	Automatic vending machine manufacturing, nsk, total	2003..	50 062	1
		2002..	43 357	X
333312	Commercial laundry, drycleaning, and pressing machine manufacturing	2003..	596 038	1
		2002..	580 454	X
3333120	Commercial laundry, drycleaning, and pressing machines	2003..	596 038	1
		2002..	580 454	X
333313	Office machinery manufacturing	2003..	1 838 051	3
		2002..	2 520 519	X
3333131	Automatic typing and word processing machines, including parts and attachments ³	2003..	D	S
		2002..	D	X
3333137	Duplicating machines, except parts and attachments ³	2003..	D	S
		2002..	D	X
333313A	Mailing, letter handling, and addressing machines, except parts and attachments ³	2003..	1 158 975	3
		2002..	2 044 821	X
333313E	Other electric office machines, including electric pencil sharpeners and electric staplers ³	2003..	117 731	1
		2002..	77 721	X
333313H	Other office machinery manufacturing	2003..	176 546	17
		2002..	85 316	X
333313J	All other miscellaneous parts and attachments for office machines ³	2003..	253 819	9
		2002..	166 326	X
333313W	Office machinery manufacturing, nsk, total	2003..	61 043	14
		2002..	64 086	X
333314	Optical instrument and lens manufacturing	2003..	3 285 887	2
		2002..	3 116 993	X
3333141	Sighting, tracking, and fire-control equipment, optical-type ³	2003..	809 310	6
		2002..	711 521	X
3333143	All other miscellaneous optical instruments and lenses ³	2003..	2 199 102	2
		2002..	2 185 350	X
333314W	Optical instrument and lens manufacturing, nsk, total	2003..	277 476	3
		2002..	220 122	X
333315	Photographic and photocopying equipment manufacturing	2003..	2 437 702	4
		2002..	2 133 928	X
3333151	Still picture photographic equipment	2003..	878 592	2
		2002..	835 081	X
3333153	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	2003..	811 389	11
		2002..	611 861	X
3333155	Microfilming, blueprinting, and whiteprinting equipment	2003..	22 830	2
		2002..	20 710	X
3333157	Motion picture equipment	2003..	420 401	2
		2002..	386 057	X
333315W	Photographic and photocopying equipment manufacturing, nsk, total	2003..	304 492	4
		2002..	280 219	X
333319	Other commercial and service industry machinery manufacturing	2003..	10 264 355	1
		2002..	10 431 536	X
3333191	Commercial cooking and food-warming equipment	2003..	2 030 056	1
		2002..	2 149 572	X
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	2003..	380 904	16
		2002..	466 881	X
3333195	Automotive maintenance equipment, except handtools	2003..	591 395	8
		2002..	613 888	X
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits ³	2003..	1 193 021	4
		2002..	1 197 876	X
333319A	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), except electrical	2003..	5 474 827	2
		2002..	5 481 154	X
333319W	Other commercial and service industry machinery manufacturing, nsk, total	2003..	594 151	8
		2002..	522 165	X
333411	Air purification equipment manufacturing	2003..	2 097 153	3
		2002..	2 060 301	X
3334111	Dust collection and other air purification equipment for industrial gas cleaning systems	2003..	631 083	6
		2002..	643 040	X
3334113	Dust collection and other air purification equipment for cleaning incoming air	2003..	1 413 992	3
		2002..	1 355 570	X
333411W	Air purification equipment manufacturing, nsk, total	2003..	52 078	38
		2002..	61 691	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333412	Industrial and commercial fan and blower manufacturing	2003..	1 588 568	6
		2002..	1 691 684	X
3334120	Industrial and commercial fans and blowers	2003..	1 588 568	6
		2002..	1 691 684	X
333414	Heating equipment (except warm air furnaces) manufacturing	2003..	3 952 758	3
		2002..	3 867 484	X
3334141	Cast iron heating boilers, radiators, and convectors (except parts)	2003..	696 717	1
		2002..	689 301	X
3334143	Domestic heating stoves (except electric and parts)	2003..	926 209	4
		2002..	840 520	X
3334145	Steel heating boilers (15 p.s.i. or less), and all other hot water heating boilers (except parts)	2003..	237 503	5
		2002..	242 621	X
3334147	Floor and wall furnaces, unit heaters, gas-fired infrared heaters, and mechanical stokers	2003..	389 952	8
		2002..	448 576	X
333414A	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners) ³	2003..	1 590 033	5
		2002..	1 396 381	X
333414W	Heating equipment (except warm air furnaces) manufacturing, nsk, total	2003..	112 345	47
		2002..	250 085	X
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	2003..	23 013 015	1
		2002..	23 091 638	X
3334152	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self-contained, except motor vehicle mechanical air-conditioning systems ³	2003..	4 722 918	3
		2002..	4 790 113	X
3334153	Commercial refrigerators and related equipment ³	2003..	2 450 703	2
		2002..	2 830 298	X
3334155	Refrigeration condensing units, all refrigerants, except ammonia (complete) ³	2003..	382 236	1
		2002..	348 518	X
3334156	Room air-conditioners and dehumidifiers, except portable dehumidifiers ³	2003..	782 830	1
		2002..	872 033	X
3334159	All other miscellaneous refrigeration and air-conditioning equipment	2003..	1 035 140	2
		2002..	928 383	X
333415A	Compressors and compressor units, all refrigerants, except automotives ³	2003..	2 649 615	1
		2002..	2 329 264	X
333415C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating ³	2003..	2 094 093	2
		2002..	1 975 140	X
333415D	Parts and accessories for air-conditioning and heat transfer equipment	2003..	1 567 415	4
		2002..	1 640 381	X
333415E	Unitary air-conditioners, except air source heat pumps ³	2003..	5 493 142	1
		2002..	5 414 379	X
333415F	Air source heat pumps, except room air-conditioners ³	2003..	1 007 581	2
		2002..	979 256	X
333415G	Ground and ground water source heat pumps ³	2003..	109 397	33
		2002..	130 140	X
333415W	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total	2003..	717 946	7
		2002..	853 733	X
333511	Industrial mold manufacturing	2003..	5 521 888	2
		2002..	5 830 395	X
3335110	Industrial molds and mold boxes	2003..	5 521 888	2
		2002..	5 830 395	X
333512	Machine tool (metal cutting types) manufacturing	2003..	2 578 513	3
		2002..	2 636 611	X
3335121	Metal gear cutting machines ³	2003..	109 099	3
		2002..	80 556	X
3335122	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing machines ³	2003..	253 828	8
		2002..	312 516	X
3335123	Metal lathes (turning machines) numerically and nonnumerically controlled ³	2003..	238 257	22
		2002..	182 798	X
3335124	Metal milling machines (excluding machining centers) ³	2003..	84 627	4
		2002..	51 269	X
3335125	Machine tools for home workshops, laboratories, garages, etc. (metalworking and primarily metalworking only)	2003..	83 409	3
		2002..	73 881	X
3335126	Parts for metal cutting-type machine tools (sold separately), including rebuilt and remanufactured metal cutting machine tools ³	2003..	481 210	4
		2002..	599 039	X
3335127	Metal machining centers (multifunction numerically controlled machines) ³	2003..	430 703	5
		2002..	385 065	X
3335128	Metal station type machines ³	2003..	136 703	10
		2002..	138 461	X
3335129	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.) ³	2003..	468 438	6
		2002..	506 790	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333512	Machine tool (metal cutting types) manufacturing—Con.		
333512A	Metal boring machines and drilling machines (excluding machining centers) ³	2003.. 110 162 2002.. 118 549	7 X
333512W	Machine tool (metal cutting types) manufacturing, nsk, total	2003.. 182 076 2002.. 187 687	16 X
333513	Machine tool (metal forming types) manufacturing	2003.. 1 145 161 2002.. 1 136 340	3 X
3335131	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only) ³	2003.. 300 924 2002.. 351 668	6 X
3335133	Metalworking presses (except forging and die-stamping presses) ³	2003.. 205 034 2002.. 204 742	9 X
3335135	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses) ³	2003.. 217 173 2002.. 201 819	10 X
3335137	Parts for metal forming machine tools (sold separately), including rebuilt and remanufactured metal forming machine tools ³	2003.. 288 223 2002.. 242 298	5 X
333513W	Machine tool (metal forming types) manufacturing, nsk, total	2003.. 133 807 2002.. 135 813	8 X
333514	Special die and tool, die set, jig, and fixture manufacturing	2003.. 7 411 386 2002.. 7 587 179	2 X
3335140	Special dies, tools, jigs, and fixtures	2003.. 7 411 386 2002.. 7 587 179	2 X
333515	Cutting tool and machine tool accessory manufacturing	2003.. 4 238 486 2002.. 4 607 772	2 X
3335151	Small cutting tools for machine tools and metalworking machinery	2003.. 2 699 634 2002.. 2 977 175	1 X
3335153	Other attachments and accessories for machine tools and metalworking machinery	2003.. 923 536 2002.. 991 184	5 X
333515W	Cutting tool and machine tool accessory manufacturing, nsk, total	2003.. 615 316 2002.. 639 413	7 X
333516	Rolling mill machinery and equipment manufacturing	2003.. 477 781 2002.. 499 761	3 X
3335161	Hot rolling mill machinery (including combination hot and cold) (except tube rolling)	2003.. 118 333 2002.. 127 880	1 X
3335163	Cold rolling mill machinery	2003.. 75 586 2002.. 71 715	13 X
3335165	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery	2003.. 268 124 2002.. 271 603	3 X
333516W	Rolling mill machinery and equipment manufacturing, nsk, total	2003.. 15 739 2002.. 28 563	3 X
333518	Other metalworking machinery manufacturing	2003.. 2 214 327 2002.. 2 646 570	2 X
3335181	Assembly machines	2003.. 1 492 784 2002.. 1 845 844	3 X
3335183	Other metalworking machinery (except handheld and ultrasonic)	2003.. 618 280 2002.. 692 300	4 X
333518W	Other metalworking machinery manufacturing, nsk, total	2003.. 103 263 2002.. 108 426	5 X
333611	Turbine and turbine generator set units manufacturing	2003.. 13 521 677 2002.. 13 732 728	1 X
3336110	Turbines, turbine generators, and turbine generator sets (including parts)	2003.. 13 521 677 2002.. 13 732 728	1 X
333612	Speed changer, industrial high-speed drive, and gear manufacturing	2003.. 1 885 372 2002.. 1 948 447	4 X
3336123	Gears	2003.. 587 076 2002.. 585 119	4 X
3336127	Speed changers and industrial high-speed drives	2003.. 1 223 978 2002.. 1 286 565	6 X
333612W	Speed changer, industrial high-speed drive, and gear manufacturing, nsk, total	2003.. 74 318 2002.. 76 763	8 X
333613	Mechanical power transmission equipment manufacturing	2003.. 2 485 333 2002.. 2 691 514	2 X
3336131	Plain bearings and bushings	2003.. 521 584 2002.. 587 979	1 X
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears	2003.. 1 956 956 2002.. 2 098 340	2 X
333613W	Mechanical power transmission equipment manufacturing, nsk, total	2003.. 6 793 2002.. 5 195	1 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333618	Other engine equipment manufacturing	2003..	19 370 161	1
		2002..	18 453 070	X
3336181	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine) ³	2003..	2 929 731	2
		2002..	2 281 230	X
3336183	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank) ³	2003..	2 326 281	1
		2002..	2 769 467	X
3336185	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses ³	2003..	7 305 442	1
		2002..	6 516 158	X
3336189	Piston-type natural gas engines, including LPG (liquefied petroleum gas) engines (excluding gas turbines)	2003..	326 874	17
		2002..	283 130	X
333618B	All other miscellaneous engine equipment	2003..	1 026 768	9
		2002..	1 025 206	X
333618F	Parts and accessories for internal combustion engines, except aircraft and gas automotive engines and turbines	2003..	5 190 917	2
		2002..	5 391 081	X
333618W	Other engine equipment manufacturing, nsk, total	2003..	264 149	17
		2002..	186 798	X
333911	Pump and pumping equipment manufacturing	2003..	7 450 036	1
		2002..	6 472 825	X
3339111	Pump and pumping equipment ³	2003..	5 829 720	2
		2002..	5 031 569	X
3339115	Parts and attachments for pumps and pumping equipment (except hydraulic fluid power, and air and gas compressors), including locomotive and packaged pumps ³	2003..	1 291 909	2
		2002..	1 140 191	X
333911W	Pump and pumping equipment manufacturing, nsk, total	2003..	328 407	10
		2002..	301 065	X
333912	Air and gas compressor manufacturing	2003..	4 239 536	6
		2002..	4 175 335	X
3339121	Air and gas compressors and vacuum pumps ³	2003..	2 566 898	8
		2002..	2 581 987	X
3339125	Parts and attachments for air and gas compressors (except refrigeration, ice making, and air-conditioning equipment), including packaged compressors ³	2003..	708 779	12
		2002..	592 670	X
3339127	Industrial spraying equipment	2003..	795 916	8
		2002..	818 318	X
333912W	Air and gas compressor manufacturing, nsk, total	2003..	167 943	29
		2002..	182 360	X
333913	Measuring and dispensing pump manufacturing	2003..	904 473	1
		2002..	867 814	X
3339130	Measuring and dispensing pumps	2003..	904 473	1
		2002..	867 814	X
333921	Elevator and moving stairway manufacturing	2003..	1 922 497	3
		2002..	1 870 525	X
3339211	Elevators and moving stairways	2003..	1 404 805	3
		2002..	1 444 609	X
3339213	Parts and attachments for elevators and moving stairways (sold separately)	2003..	434 801	8
		2002..	346 247	X
333921W	Elevator and moving stairway manufacturing, nsk, total	2003..	82 892	8
		2002..	79 669	X
333922	Conveyor and conveying equipment manufacturing	2003..	4 726 207	2
		2002..	5 025 780	X
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators	2003..	2 198 628	4
		2002..	2 216 749	X
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	2003..	242 325	8
		2002..	235 014	X
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators ³	2003..	1 421 702	3
		2002..	1 582 924	X
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	2003..	503 433	6
		2002..	571 327	X
333922W	Conveyor and conveying equipment manufacturing, nsk, total	2003..	360 120	9
		2002..	419 766	X
333923	Overhead traveling crane, hoist, and monorail system manufacturing	2003..	2 856 260	2
		2002..	3 009 506	X
3339231	Hoists	2003..	398 522	4
		2002..	455 161	X
3339233	Overhead traveling cranes and monorail systems	2003..	467 411	7
		2002..	467 964	X
3339237	Winches, aerial work platforms, and automotive wrecker hoists ³	2003..	1 781 660	2
		2002..	1 951 812	X
333923W	Overhead traveling crane, hoist, and monorail system manufacturing, nsk, total	2003..	208 668	4
		2002..	134 569	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing	2003..	4 825 603	2
		2002..	4 619 917	X
3339242	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines	2003..	3 791 458	2
		2002..	3 433 169	X
3339243	Parts and attachments for industrial trucks and tractors (sold separately)	2003..	867 435	3
		2002..	1 048 230	X
333924W	Industrial truck, tractor, trailer, and stacker machinery manufacturing, nsk, total	2003..	166 711	7
		2002..	138 518	X
333991	Power-driven handtool manufacturing	2003..	2 880 709	3
		2002..	3 395 494	X
3339911	Power-driven handtools, pneumatic, hydraulic, and power-actuated	2003..	1 024 422	3
		2002..	1 085 869	X
3339913	Power-driven handtools, internal combustion engine driven (including parts)	2003..	298 350	1
		2002..	241 686	X
3339917	Power-driven handtools, battery-powered (cordless), including parts	2003..	316 189	1
		2002..	589 603	X
3339919	Power-driven handtools, electric (except battery-powered), including parts	2003..	1 142 954	2
		2002..	1 329 811	X
333991W	Power-driven handtool manufacturing, nsk, total	2003..	98 794	86
		2002..	148 525	X
333992	Welding and soldering equipment manufacturing	2003..	3 217 412	2
		2002..	3 524 679	X
3339921	Arc welding machines, components, and accessories (except electrodes), except stud welding equipment	2003..	1 019 114	1
		2002..	1 261 711	X
3339923	Arc welding electrodes, metal	2003..	595 313	1
		2002..	682 211	X
3339927	Resistance welders, components, accessories, and electrodes	2003..	573 070	6
		2002..	565 879	X
3339929	Gas welding and cutting equipment, parts, attachments, and accessories	2003..	338 464	9
		2002..	311 733	X
333992A	Other welding equipment, components, and accessories (except arc, resistance, and gas welding equipment)	2003..	571 772	3
		2002..	601 846	X
333992W	Welding and soldering equipment manufacturing, nsk, total	2003..	119 680	14
		2002..	101 299	X
333993	Packaging machinery manufacturing	2003..	3 879 124	3
		2002..	3 758 142	X
3339931	Packing, packaging, and bottling machinery (except parts)	2003..	3 034 913	4
		2002..	3 007 006	X
3339935	Parts for packing, packaging, and bottling machinery	2003..	715 253	4
		2002..	653 729	X
333993W	Packaging machinery manufacturing, nsk, total	2003..	128 959	17
		2002..	97 407	X
333994	Industrial process furnace and oven manufacturing	2003..	1 501 114	6
		2002..	1 513 619	X
3339940	Industrial furnaces and ovens, and electric industrial heating equipment	2003..	1 501 114	6
		2002..	1 513 619	X
333995	Fluid power cylinder and actuator manufacturing	2003..	3 144 360	2
		2002..	3 117 147	X
3339951	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary ³	2003..	918 971	3
		2002..	982 271	X
3339953	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary ³	2003..	595 912	5
		2002..	545 716	X
3339955	Parts for nonaerospace type hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc. ³	2003..	436 105	3
		2002..	401 633	X
3339957	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic ³	2003..	1 054 087	3
		2002..	987 725	X
333995W	Fluid power cylinder and actuator manufacturing, nsk, total	2003..	139 285	25
		2002..	199 802	X
333996	Fluid power pump and motor manufacturing	2003..	2 502 865	2
		2002..	2 390 501	X
3339961	Nonaerospace type reciprocating fluid power pumps ³	2003..	523 659	1
		2002..	547 848	X
3339963	Nonaerospace type rotary and other fluid power pumps ³	2003..	477 256	1
		2002..	483 946	X
3339965	Nonaerospace type fluid power motors ³	2003..	470 362	1
		2002..	443 550	X
3339967	Aerospace type fluid power pumps and motors ³	2003..	293 638	12
		2002..	252 051	X
3339969	Parts for fluid power pumps, motors, and hydrostatic transmissions ³	2003..	658 660	3
		2002..	591 596	X
333996W	Fluid power pump and motor manufacturing, nsk, total	2003..	79 290	3
		2002..	71 510	X

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Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
333997	Scale and balance (except laboratory) manufacturing	2003..	661 129	4
		2002..	622 423	X
3339971	Vehicle and industrial scales	2003..	302 285	5
		2002..	316 506	X
3339973	Retail, commercial, household, and mailing scales	2003..	213 745	7
		2002..	195 336	X
3339975	Parts, attachments, and accessories for scales and balances, except laboratory	2003..	112 001	2
		2002..	98 878	X
333997W	Scale and balance (except laboratory) manufacturing, nsk, total	2003..	33 097	46
		2002..	11 703	X
333999	All other miscellaneous general purpose machinery manufacturing	2003..	8 724 232	3
		2002..	8 775 754	X
3339991	Filters and strainers, except fluid power	2003..	2 309 677	3
		2002..	2 398 768	X
3339993	Filters for hydraulic fluid power systems, nonaerospace ³	2003..	508 916	2
		2002..	295 554	X
3339994	Filters for pneumatic fluid power systems, nonaerospace ³	2003..	120 019	1
		2002..	110 818	X
3339996	Filters for hydraulic and pneumatic fluid power systems, aerospace ³	2003..	197 400	21
		2002..	85 214	X
3339997	All other miscellaneous general industrial machinery ³	2003..	3 275 674	4
		2002..	3 220 804	X
333999A	All other miscellaneous machinery products, except electrical	2003..	479 755	11
		2002..	914 515	X
333999W	All other miscellaneous general purpose machinery manufacturing, nsk, total	2003..	1 832 791	9
		2002..	1 750 081	X
334111	Electronic computer manufacturing	2003..	39 164 084	1
		2002..	41 180 600	X
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers) ³	2003..	12 168 701	1
		2002..	12 967 418	X
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers) ³	2003..	25 151 292	1
		2002..	26 559 313	X
334111D	Other computers (array, analog, hybrid, and special-use computers) ³	2003..	852 778	3
		2002..	807 690	X
334111W	Electronic computer manufacturing, nsk, total	2003..	991 313	2
		2002..	846 179	X
334112	Computer storage device manufacturing	2003..	7 326 738	2
		2002..	7 628 413	X
3341121	Computer storage devices (except parts, attachments, and accessories) ³	2003..	5 360 979	1
		2002..	5 461 472	X
3341124	Parts, attachments, and accessories for computer storage devices ³	2003..	1 193 412	1
		2002..	1 686 810	X
334112W	Computer storage device manufacturing, nsk, total	2003..	772 348	21
		2002..	480 131	X
334113	Computer terminal manufacturing	2003..	436 042	2
		2002..	391 322	X
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) ³	2003..	310 843	1
		2002..	274 862	X
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) ³	2003..	22 290	8
		2002..	54 843	X
334113W	Computer terminal manufacturing, nsk, total	2003..	102 908	5
		2002..	61 617	X
334119	Other computer peripheral equipment manufacturing	2003..	14 228 699	2
		2002..	15 316 906	X
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories) ³	2003..	9 494 657	2
		2002..	10 419 354	X
3341194	Parts, subassemblies, and accessories for computer peripheral equipment ³	2003..	1 959 394	12
		2002..	2 260 946	X
3341197	Point of sale terminals and fund-transfer devices. ³	2003..	730 574	15
		2002..	728 555	X
334119D	Parts and attachments for point of sale terminals and fund-transfer devices ³	2003..	83 466	2
		2002..	81 089	X
334119W	Other computer peripheral equipment manufacturing, nsk, total	2003..	1 960 609	8
		2002..	1 826 962	X
334210	Telephone apparatus manufacturing	2003..	20 707 962	1
		2002..	26 009 324	X
3342101	Telephone switching and switchboard equipment ³	2003..	4 329 196	2
		2002..	7 090 986	X
3342104	Telephone and telegraph (wire) apparatus, carrier line equipment (office and line repeaters and line terminating carrier equipment) and nonconsumer modems, including auxiliary sets ³	2003..	2 974 755	1
		2002..	4 161 386	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334210	Telephone apparatus manufacturing—Con.		
3342107	Other telephone and telegraph (wire) apparatus, including telephone sets, telephone answering, and fax machines ³	2003.. 12 030 798 2002.. 12 874 890	1 X
334210W	Telephone apparatus manufacturing, nsk, total	2003.. 1 373 213 2002.. 1 882 062	17 X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2003.. 31 398 116 2002.. 30 133 460	3 X
3342201	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast) ³	2003.. 26 015 534 2002.. 24 643 353	3 X
3342202	Broadcast, studio, and related electronic equipment ³	2003.. 2 789 789 2002.. 3 192 407	5 X
334220W	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, total	2003.. 2 592 792 2002.. 2 297 700	3 X
334290	Other communications equipment manufacturing	2003.. 4 579 887 2002.. 4 886 125	2 X
3342901	Alarm systems, including electric sirens and horns ³	2003.. 2 347 706 2002.. 3 014 393	1 X
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments ³	2003.. 998 077 2002.. 895 932	5 X
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph ³	2003.. 425 113 2002.. 302 998	5 X
334290W	Other communications equipment manufacturing, nsk, total	2003.. 808 991 2002.. 672 802	6 X
334310	Audio and video equipment manufacturing	2003.. 10 084 577 2002.. 9 729 306	2 X
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations ³	2003.. 2 591 325 2002.. 2 460 917	1 X
3343102	Television receivers, including combination models ³	2003.. 3 500 208 2002.. 3 391 132	5 X
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment ³	2003.. 1 865 830 2002.. 1 761 507	3 X
3343105	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) ³	2003.. 1 563 246 2002.. 1 719 063	6 X
334310W	Audio and video equipment manufacturing, nsk, total	2003.. 563 967 2002.. 396 687	4 X
334411	Electron tube manufacturing	2003.. 2 313 171 2002.. 3 250 227	1 X
3344111	Transmittal, industrial, and special-purpose electron tubes (except X-ray) ³	2003.. 635 468 2002.. 586 614	1 X
3344114	Receiving-type electron tubes, including cathode ray (new and rebuilt) ³	2003.. 1 527 805 2002.. 2 515 608	1 X
3344117	Electron tube parts ³	2003.. 76 274 2002.. 85 705	5 X
334411W	Electron tube manufacturing, nsk, total	2003.. 73 624 2002.. 62 300	1 X
334412	Bare printed circuit board manufacturing	2003.. 5 882 413 2002.. 6 615 714	4 X
3344120	Bare printed circuit boards ³	2003.. 5 882 413 2002.. 6 615 714	4 X
334413	Semiconductor and related device manufacturing	2003.. 65 357 805 2002.. 59 683 691	1 X
3344131	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories ³	2003.. 54 456 895 2002.. 49 383 542	1 X
3344134	Transistors ³	2003.. 646 499 2002.. 869 836	3 X
3344137	Diodes and rectifiers ³	2003.. 363 092 2002.. 427 238	7 X
334413A	Other semiconductor devices, including semiconductor parts such as chips, wafers, and heat sinks ³	2003.. 7 439 357 2002.. 6 964 875	2 X
334413W	Semiconductor and related device manufacturing, nsk, total	2003.. 2 451 962 2002.. 2 038 200	1 X
334414	Electronic capacitor manufacturing	2003.. 1 241 285 2002.. 1 365 970	4 X
3344140	Capacitors for electronic circuitry ³	2003.. 1 241 285 2002.. 1 365 970	4 X
334415	Electronic resistor manufacturing	2003.. 684 198 2002.. 682 755	2 X
3344150	Resistors for electronic circuitry ³	2003.. 684 198 2002.. 682 755	2 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334416	Electronic coil, transformer, and other inductor manufacturing	2003..	1 231 159	3
		2002..	1 210 430	X
3344160	Electronic coils, transformers, and other inductors ³	2003..	1 231 159	3
		2002..	1 210 430	X
334417	Electronic connector manufacturing	2003..	3 972 629	2
		2002..	3 885 478	X
3344171	Coaxial (RF) connectors for electronic circuitry ³	2003..	450 882	2
		2002..	488 622	X
3344174	Cylindrical connectors for electronic circuitry ³	2003..	574 441	2
		2002..	530 666	X
3344177	Rack and panel (rectangular) connectors for electronic circuitry ³	2003..	310 321	9
		2002..	283 749	X
334417A	Printed circuit connectors for electronic circuitry ³	2003..	849 507	3
		2002..	788 366	X
334417D	Other connectors for electronic circuitry, including parts ³	2003..	1 570 769	3
		2002..	1 576 019	X
334417W	Electronic connector manufacturing, nsk, total	2003..	216 709	4
		2002..	218 056	X
334418	Printed circuit assembly (electronic assembly) manufacturing	2003..	22 743 599	3
		2002..	22 782 118	X
3344184	External modems, consumer ³	2003..	751 876	40
		2002..	429 309	X
334418B	Printed circuit assemblies, loaded boards and modules (printed circuit boards with inserted electronic components) ³	2003..	20 621 970	2
		2002..	21 079 096	X
334418W	Printed circuit assembly (electronic assembly) manufacturing, nsk, total	2003..	1 369 753	6
		2002..	1 273 713	X
334419	Other electronic component manufacturing	2003..	9 306 217	2
		2002..	10 199 377	X
3344191	Crystals, filters, piezoelectric, and other related electronic devices (except microwave filters) ³	2003..	688 836	9
		2002..	762 418	X
3344194	All other miscellaneous transducers, including electrical-electronic input/output transducers ³	2003..	1 218 416	3
		2002..	1 236 819	X
3344197	Switches, mechanical, for electronic circuitry ³	2003..	784 590	2
		2002..	834 836	X
334419A	Microwave components and devices, except antennae, tubes, and semiconductors ³	2003..	1 484 648	2
		2002..	1 570 942	X
334419E	All other miscellaneous electronic components ³	2003..	4 036 927	3
		2002..	4 447 903	X
334419W	Other electronic component manufacturing, nsk, total	2003..	1 092 801	7
		2002..	1 346 459	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	2003..	16 279 325	1
		2002..	15 219 239	X
3345101	Electromedical equipment, including diagnostic, therapeutic, and patient monitoring equipment (excluding ionizing radiation equipment) ³	2003..	14 755 621	1
		2002..	13 769 610	X
3345103	Electronic hearing aids, complete units ³	2003..	1 148 888	11
		2002..	833 167	X
334510W	Electromedical and electrotherapeutic apparatus manufacturing, nsk, total	2003..	374 815	27
		2002..	616 462	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2003..	32 442 254	1
		2002..	30 212 793	X
3345111	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals (except engine instruments) ³	2003..	2 150 132	4
		2002..	2 684 264	X
3345113	Search, detection, navigation, and guidance systems and equipment ³	2003..	28 904 048	1
		2002..	26 681 159	X
334511W	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing, nsk, total	2003..	1 388 074	9
		2002..	847 370	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2003..	2 784 368	2
		2002..	2 768 050	X
3345120	Automatic environmental controls for monitoring residential, commercial, and appliance use ³	2003..	2 784 368	2
		2002..	2 768 050	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2003..	6 335 987	2
		2002..	6 769 461	X
3345130	Process control instruments ³	2003..	6 335 987	2
		2002..	6 769 461	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
334514	Totalizing fluid meter and counting device manufacturing.....	2003..	4 917 988	1
		2002..	5 059 577	X
3345141	Integrating and totalizing meters for gas and liquids ³	2003..	1 512 615	1
		2002..	1 421 203	X
3345143	Counting devices, excluding motor vehicle instruments ³	2003..	433 075	2
		2002..	466 615	X
3345145	Motor vehicle instruments ³	2003..	2 743 176	1
		2002..	2 928 428	X
334514W	Totalizing fluid meter and counting device manufacturing, nsk, total	2003..	229 122	5
		2002..	243 331	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2003..	9 740 181	1
		2002..	9 841 766	X
3345151	Electrical integrating instruments ³	2003..	728 967	2
		2002..	699 737	X
3345153	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable instrument transformers) ³	2003..	8 044 697	2
		2002..	8 158 961	X
3345155	Other instruments to measure electricity ³	2003..	268 859	23
		2002..	318 039	X
334515W	Instrument manufacturing for measuring and testing electricity and electrical signals, nsk, total	2003..	697 658	5
		2002..	665 029	X
334516	Analytical laboratory instrument manufacturing	2003..	7 738 369	2
		2002..	7 130 994	X
3345160	Analytical and scientific instruments, except optical ³	2003..	7 738 369	2
		2002..	7 130 994	X
334517	Irradiation apparatus manufacturing	2003..	4 136 759	2
		2002..	4 512 657	X
3345170	Irradiation (ionizing radiation) equipment ³	2003..	4 136 759	2
		2002..	4 512 657	X
334518	Watch, clock, and part manufacturing	2003..	573 286	4
		2002..	637 761	X
3345182	Watches, watchcases, movements, and modules (including watch parts)	2003..	106 315	4
		2002..	113 590	X
3345184	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, and clock cases (including parts)	2003..	455 108	5
		2002..	507 482	X
334518W	Watch, clock, and part manufacturing, nsk, total	2003..	11 862	10
		2002..	16 689	X
334519	Other measuring and controlling device manufacturing	2003..	5 248 628	2
		2002..	5 384 595	X
3345192	Aircraft engine instruments, except flight ³	2003..	841 796	1
		2002..	840 400	X
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment ³	2003..	1 864 870	3
		2002..	1 893 668	X
3345195	Nuclear radiation detection and monitoring instruments ³	2003..	506 117	8
		2002..	520 592	X
3345197	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers ³	2003..	1 322 887	5
		2002..	1 437 786	X
3345199	Survey and drafting instruments and apparatus, including photogrammetric equipment ³	2003..	263 936	2
		2002..	266 411	X
334519W	Other measuring and controlling device manufacturing, nsk, total	2003..	449 021	2
		2002..	425 738	X
334611	Software reproducing.....	2003..	650 042	11
		2002..	617 290	X
3346110	Software reproducing.....	2003..	650 042	11
		2002..	617 290	X
334612	Prerecorded compact disc (except software), tape, and record reproducing.....	2003..	3 818 483	3
		2002..	4 270 831	X
3346120	Reproduction of recording media.....	2003..	3 818 483	3
		2002..	4 270 831	X
334613	Magnetic and optical recording media manufacturing	2003..	2 366 353	1
		2002..	2 564 267	X
3346130	Magnetic and optical recording media ³	2003..	2 366 353	1
		2002..	2 564 267	X
335110	Electric lamp bulb and part manufacturing.....	2003..	2 489 980	1
		2002..	2 472 636	X
3351101	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	2003..	2 176 403	1
		2002..	2 155 760	X
3351103	Electric lamp (bulbs and tubes) components (including bases, supports, lead-ins, filaments, etc.), except lamp bulb blanks	2003..	302 476	9
		2002..	308 091	X
335110W	Electric lamp bulb and part manufacturing, nsk, total	2003..	11 101	1
		2002..	8 785	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335121	Residential electric lighting fixture manufacturing	2003..	1 930 696	4
		2002..	1 965 398	X
3351211	Residential-type electric lighting fixtures (except portable), including parts and accessories	2003..	1 293 607	4
		2002..	1 263 226	X
3351214	Residential-type portable lighting fixtures, including parts and accessories	2003..	561 259	7
		2002..	631 036	X
335121W	Residential electric lighting fixture manufacturing, nsk, total	2003..	75 830	6
		2002..	71 136	X
335122	Commercial, industrial, and institutional electric lighting fixture manufacturing	2003..	3 575 665	2
		2002..	3 906 236	X
3351221	Commercial and institutional-type electric lighting fixtures, including parts and accessories	2003..	2 574 549	2
		2002..	2 651 594	X
3351222	Industrial-type electric lighting fixtures, including parts and accessories	2003..	877 446	4
		2002..	1 132 034	X
335122W	Commercial, industrial, and institutional electric lighting fixture manufacturing, nsk, total	2003..	123 669	13
		2002..	122 608	X
335129	Other lighting equipment manufacturing	2003..	3 356 961	4
		2002..	3 486 761	X
3351291	Outdoor lighting equipment (including parts and accessories)	2003..	1 719 238	3
		2002..	1 885 794	X
3351294	All other miscellaneous electric and nonelectric lighting equipment, including hand portable, parts and accessories	2003..	1 538 252	8
		2002..	1 530 285	X
335129W	Other lighting equipment manufacturing, nsk, total	2003..	99 470	1
		2002..	70 682	X
335211	Electric housewares and household fan manufacturing	2003..	2 011 828	1
		2002..	2 010 095	X
3352111	Electric fans, except industrial type ³	2003..	587 407	2
		2002..	613 916	X
3352114	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation	2003..	1 231 402	2
		2002..	1 221 884	X
3352115	Parts and attachments for small household electric appliances ³	2003..	63 064	1
		2002..	65 352	X
335211W	Electric housewares and household fan manufacturing, nsk, total	2003..	129 955	1
		2002..	108 943	X
335212	Household vacuum cleaner manufacturing	2003..	1 905 114	1
		2002..	2 267 849	X
3352121	Household vacuum cleaners, upright-stick type, including parts	2003..	D	S
		2002..	D	X
3352122	Floor waxing and floor polishing machines and parts ³	2003..	D	S
		2002..	D	X
335212W	Household vacuum cleaner manufacturing, nsk, total	2003..	42 880	1
		2002..	100 538	X
335221	Household cooking appliance manufacturing	2003..	4 333 846	1
		2002..	4 030 283	X
3352211	Electric (including microwave) household ranges, ovens, surface cooking units, and equipment ³	2003..	2 257 803	1
		2002..	1 905 685	X
3352213	Gas household ranges, ovens, surface cooking units, and equipment (including parts and accessories) ³	2003..	989 588	2
		2002..	929 545	X
3352215	Other household ranges and cooking equipment ³	2003..	1 041 852	3
		2002..	1 164 764	X
335221W	Household cooking appliance manufacturing, nsk, total	2003..	44 603	1
		2002..	30 289	X
335222	Household refrigerator and home freezer manufacturing	2003..	5 828 542	1
		2002..	5 354 277	X
3352221	Household refrigerators, including combination refrigerator-freezers ³	2003..	5 205 170	1
		2002..	4 768 642	X
3352222	Household food freezers, complete units ³	2003..	D	S
		2002..	D	X
3352223	Parts and attachments for household refrigerators and freezers ³	2003..	D	S
		2002..	D	X
335222W	Household refrigerator and home freezer manufacturing, nsk, total	2003..	3 167	1
		2002..	275	X
335224	Household laundry equipment manufacturing	2003..	4 785 307	1
		2002..	4 486 624	X
3352240	Household laundry equipment ³	2003..	4 785 307	1
		2002..	4 486 624	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335228	Other major household appliance manufacturing	2003..	3 612 610	2
		2002..	3 304 592	X
3352281	Household water heaters, electric, for permanent installation ³	2003..	613 383	5
		2002..	627 636	X
3352283	Household water heaters, except electric ³	2003..	1 047 654	5
		2002..	835 806	X
3352285	All other miscellaneous household appliances ³	2003..	1 949 147	2
		2002..	1 839 948	X
335228W	Other major household appliance manufacturing, nsk, total	2003..	2 426	44
		2002..	1 202	X
335311	Power, distribution, and specialty transformer manufacturing	2003..	4 125 904	1
		2002..	4 332 416	X
3353111	Power and distribution transformers, except parts	2003..	2 182 497	1
		2002..	2 276 686	X
3353113	Specialty transformers, except fluorescent lamp ballast	2003..	377 251	2
		2002..	355 093	X
3353115	Fluorescent lamp ballasts ³	2003..	660 082	1
		2002..	630 265	X
3353117	Commercial, institutional, and industrial general-purpose transformers, all voltages	2003..	270 887	6
		2002..	263 434	X
3353119	Power regulators, boosters, and other transformers and parts for all transformers	2003..	422 288	12
		2002..	547 747	X
335311W	Power, distribution, and specialty transformer manufacturing, nsk, total	2003..	212 898	4
		2002..	259 191	X
335312	Motor and generator manufacturing	2003..	9 261 661	1
		2002..	8 944 301	X
3353121	Fractional horsepower motors (rated at less than 746 watts) (except hermetics) ³	2003..	3 107 128	1
		2002..	2 990 132	X
3353123	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more) (except hermetics) ³	2003..	1 586 812	1
		2002..	1 639 960	X
3353125	Land transportation motors, generators, and control equipment (except parts) ³	2003..	226 012	1
		2002..	196 625	X
3353127	Prime mover generator sets, except steam and hydraulic turbine ³	2003..	1 366 535	2
		2002..	1 378 351	X
3353129	Fractional motor generator sets and other rotating equipment (including hermetics) ³	2003..	861 762	2
		2002..	861 411	X
335312A	Integral motor generator sets and other rotating equipment (including hermetics) ³	2003..	646 730	2
		2002..	535 500	X
335312C	Parts and supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs ³	2003..	807 006	3
		2002..	728 297	X
335312E	Armature rewinding on a factory basis	2003..	64 533	9
		2002..	68 409	X
335312W	Motor and generator manufacturing, nsk, total	2003..	595 142	4
		2002..	545 616	X
335313	Switchgear and switchboard apparatus manufacturing	2003..	7 481 590	1
		2002..	7 534 822	X
3353131	Power circuit breakers, all voltages ³	2003..	620 912	3
		2002..	696 689	X
3353133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less ³	2003..	2 182 504	3
		2002..	2 060 891	X
3353135	Fuses and fuse equipment less than 2300 volts (except power distribution cut-outs) ³	2003..	394 810	3
		2002..	481 439	X
3353137	Molded case circuit breakers, 1000 volts or less ³	2003..	1 271 760	1
		2002..	1 322 557	X
3353139	Duct, including plug-in units and accessories, 1000 volts or less ³	2003..	193 700	1
		2002..	210 402	X
335313A	Switchgear, except ducts and relays ³	2003..	2 240 690	1
		2002..	2 257 982	X
335313W	Switchgear and switchboard apparatus manufacturing, nsk, total	2003..	577 214	16
		2002..	504 862	X
335314	Relay and industrial control manufacturing	2003..	8 401 309	1
		2002..	8 819 927	X
3353141	Relays for electronic circuitry, industrial control overload, and switchgear type ³	2003..	683 877	8
		2002..	694 720	X
3353143	Specific-purpose industrial controls ³	2003..	2 977 008	2
		2002..	2 871 023	X
3353146	General-purpose industrial controls	2003..	3 546 893	1
		2002..	3 795 228	X
3353147	Parts for industrial controls and motor-control accessories ³	2003..	510 370	5
		2002..	510 820	X
335314W	Relay and industrial control manufacturing, nsk, total	2003..	683 162	3
		2002..	948 136	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335911	Storage battery manufacturing	2003..	3 238 995	2
		2002..	3 378 348	X
3359111	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	2003..	1 955 575	2
		2002..	2 087 453	X
3359114	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m))	2003..	918 584	3
		2002..	863 022	X
3359117	Storage batteries (except lead acid), including parts for all storage batteries	2003..	229 398	13
		2002..	276 976	X
335911W	Storage battery manufacturing, nsk, total	2003..	135 439	7
		2002..	150 897	X
335912	Primary battery manufacturing	2003..	2 746 180	3
		2002..	2 839 369	X
3359120	Primary batteries	2003..	2 746 180	3
		2002..	2 839 369	X
335921	Fiber optic cable manufacturing	2003..	1 030 076	8
		2002..	1 428 733	X
3359210	Fiber optic cable ³	2003..	1 030 076	8
		2002..	1 428 733	X
335929	Other communication and energy wire manufacturing	2003..	9 036 896	2
		2002..	9 332 556	X
3359291	Power wire and cable, made from nonferrous metals (purchased wire) ³	2003..	1 533 613	6
		2002..	1 449 980	X
335929A	Electronic wire and cable, made of nonferrous metals (purchased wire) ³	2003..	2 397 511	2
		2002..	2 610 881	X
335929B	Telephone and telegraph wire and cable, made of nonferrous metals (purchased wire) ³	2003..	1 370 095	2
		2002..	1 316 181	X
335929C	Control and signal wire and cable, made of nonferrous metals (purchased wire) ³	2003..	228 771	3
		2002..	251 955	X
335929D	Building wire and cable, made of nonferrous metals (purchased wire) ³	2003..	2 293 360	1
		2002..	2 388 710	X
335929E	Other insulated wire and cable, including automotive, made of nonferrous metals (purchased wire) ³	2003..	525 490	5
		2002..	532 588	X
335929W	Other communication and energy wire manufacturing, nsk, total	2003..	688 056	10
		2002..	782 261	X
335931	Current-carrying wiring device manufacturing	2003..	5 800 328	1
		2002..	5 960 288	X
3359311	Current-carrying lampholders ³	2003..	128 336	3
		2002..	140 102	X
3359313	Current-carrying general-and special-purpose convenience and power outlets (excluding pin-and-sleeve type) ³	2003..	331 760	1
		2002..	335 053	X
3359315	Current-carrying switches for electrical circuitry (including vehicular switches) ³	2003..	2 091 828	1
		2002..	2 161 240	X
3359317	Current-carrying metal contacts, including precious metal ³	2003..	241 337	2
		2002..	219 027	X
3359319	Current-carrying wire connectors for electrical circuitry ³	2003..	1 320 632	2
		2002..	1 281 969	X
335931B	All other miscellaneous current-carrying wiring devices (attachments, plug caps, connector bodies, lightning arrestors, etc.) ³	2003..	1 425 647	3
		2002..	1 572 987	X
335931W	Current-carrying wiring device manufacturing, nsk, total	2003..	260 787	4
		2002..	249 910	X
335932	Noncurrent-carrying wiring device manufacturing	2003..	3 401 661	1
		2002..	3 258 798	X
3359321	Noncurrent-carrying pole and transmission line hardware ³	2003..	535 847	6
		2002..	600 986	X
3359323	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings ³	2003..	1 820 206	1
		2002..	1 726 008	X
3359326	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.) ³	2003..	988 327	3
		2002..	852 972	X
335932W	Noncurrent-carrying wiring device manufacturing, nsk, total	2003..	57 281	1
		2002..	78 832	X
335991	Carbon and graphite product manufacturing	2003..	1 580 745	2
		2002..	1 624 308	X
3359911	Carbon and graphite electrodes for electric furnaces and electrolytic cell use	2003..	659 054	3
		2002..	740 300	X
3359913	All other carbon and graphite products	2003..	833 932	2
		2002..	810 221	X
335991W	Carbon and graphite product manufacturing, nsk, total	2003..	87 759	1
		2002..	73 787	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
335999	All other miscellaneous electrical equipment and component manufacturing	2003.. 7 062 697 2002.. 7 471 024	2 X
3359991	Capacitors for industrial use (except for electronic circuitry)	2003.. 294 667 2002.. 297 127	2 X
3359993	Rectifying apparatus	2003.. 1 500 222 2002.. 1 829 664	5 X
3359996	Other electrical equipment for industrial use (except for electronic circuitry)	2003.. 536 902 2002.. 465 880	9 X
3359997	Laser generator power supplies and components ³	2003.. 852 685 2002.. 924 085	2 X
3359999	All other laser systems and equipment	2003.. 250 246 2002.. 171 497	2 X
335999A	Ultrasonic equipment (except medical and dental) ³	2003.. 237 868 2002.. 224 817	2 X
335999B	Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic), made from purchased insulated wire ⁴	2003.. 363 587 2002.. 380 353	1 X
335999E	All other miscellaneous electrical equipment and components (except for industrial use)	2003.. 180 811 2002.. 226 967	32 X
335999F	All other miscellaneous electronic systems and equipment (including automatic garage door openers, and amplifiers) ³	2003.. 1 490 229 2002.. 1 591 845	2 X
335999W	All other miscellaneous electrical equipment and component manufacturing, nsk, total	2003.. 1 355 479 2002.. 1 358 789	6 X
336111	Automobile manufacturing	2003.. 77 902 790 2002.. 85 884 469	1 X
3361110	Automobile manufacturing	2003.. 77 902 790 2002.. 85 884 469	1 X
336112	Light truck and utility vehicle manufacturing	2003.. 161 349 009 2002.. 134 629 012	1 X
3361120	Light truck and utility vehicle manufacturing	2003.. 161 349 009 2002.. 134 629 012	1 X
336120	Heavy duty truck manufacturing	2003.. 16 167 340 2002.. 16 521 984	1 X
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	2003.. 3 363 968 2002.. 3 543 166	1 X
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	2003.. 10 253 156 2002.. 10 351 764	1 X
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture)	2003.. 2 351 235 2002.. 2 404 696	1 X
336120W	Heavy duty truck manufacturing, nsk, total	2003.. 198 980 2002.. 222 358	11 X
336211	Motor vehicle body manufacturing	2003.. 8 126 419 2002.. 7 800 270	2 X
3362112	Bus bodies and truck cabs for sale separately	2003.. 1 464 959 2002.. 1 408 027	6 X
3362114	Van bodies for sale separately	2003.. 542 755 2002.. 433 591	19 X
3362115	Other truck and vehicle bodies for sale separately (including dumptruck lifting mechanisms and kit cars)	2003.. 1 891 085 2002.. 1 966 673	1 X
3362117	Buses and firefighting vehicles, complete, produced on purchased chassis	2003.. 1 624 939 2002.. 1 668 898	2 X
3362119	Other trucks, complete, produced on purchased chassis	2003.. 1 863 882 2002.. 1 578 577	7 X
336211W	Motor vehicle body manufacturing, nsk, total	2003.. 738 799 2002.. 744 504	4 X
336212	Truck trailer manufacturing	2003.. 4 306 537 2002.. 3 880 044	2 X
3362121	Truck trailers and chassis, with axle rating of 10,000 lb or more	2003.. 3 761 365 2002.. 3 393 272	2 X
3362123	Truck trailers and chassis, with axle rating of less than 10,000 lb	2003.. 221 145 2002.. 181 912	14 X
336212W	Truck trailer manufacturing, nsk, total	2003.. 324 027 2002.. 304 860	2 X
336213	Motor home manufacturing	2003.. 5 551 262 2002.. 5 213 989	3 X
3362130	Motor homes, produced on purchased chassis	2003.. 5 551 262 2002.. 5 213 989	3 X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336214	Travel trailer and camper manufacturing	2003..	6 951 990	2
		2002..	6 776 926	X
3362141	Travel trailers	2003..	3 674 119	1
		2002..	3 432 267	X
3362143	Automobile and light truck trailers	2003..	1 788 326	7
		2002..	1 769 468	X
3362145	Camping trailers, campers, pickup covers, and parts	2003..	1 009 912	3
		2002..	993 860	X
336214W	Travel trailer and camper manufacturing, nsk, total	2003..	479 633	8
		2002..	581 331	X
336311	Carburetor, piston, piston ring, and valve manufacturing	2003..	2 521 107	2
		2002..	2 323 886	X
3363111	Carburetors, new and rebuilt (all types)	2003..	362 975	1
		2002..	391 091	X
3363113	Pistons, piston rings, and piston pins (engine)	2003..	1 577 536	1
		2002..	1 436 813	X
3363115	Valves (engine intake and exhaust)	2003..	449 398	6
		2002..	416 684	X
336311W	Carburetor, piston, piston ring, and valve manufacturing, nsk, total	2003..	131 199	22
		2002..	79 298	X
336312	Gasoline engine and engine parts manufacturing	2003..	30 825 700	1
		2002..	31 272 414	X
3363121	Gasoline engines and gasoline engine parts for motor vehicles, new	2003..	29 541 551	1
		2002..	29 779 550	X
3363123	Gasoline engines and engine parts for motor vehicles, rebuilt	2003..	439 273	27
		2002..	593 058	X
336312W	Gasoline engine and engine parts manufacturing, nsk, total	2003..	844 876	3
		2002..	899 806	X
336321	Vehicular lighting equipment manufacturing	2003..	2 668 728	1
		2002..	2 584 543	X
3363210	Vehicular lighting equipment	2003..	2 668 728	1
		2002..	2 584 543	X
336322	Other motor vehicle electrical and electronic equipment manufacturing	2003..	17 520 873	2
		2002..	17 725 566	X
3363221	Ignition harness and cable sets	2003..	1 150 805	1
		2002..	1 202 339	X
3363223	Battery charging alternators, generators, and regulators	2003..	1 551 034	2
		2002..	1 613 089	X
3363225	Cranking motors (starters)	2003..	2 075 282	1
		2002..	2 064 157	X
3363227	Spark plugs (all types)	2003..	410 720	1
		2002..	507 283	X
3363229	All other miscellaneous complete engine electrical equipment	2003..	4 267 496	1
		2002..	4 425 745	X
336322A	Parts for engine electrical and electronic equipment	2003..	704 128	1
		2002..	675 241	X
336322D	Motor vehicle electrical and electronic equipment ³	2003..	6 330 035	6
		2002..	6 180 746	X
336322W	Other motor vehicle electrical and electronic equipment manufacturing, nsk, total	2003..	1 031 373	13
		2002..	1 056 966	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2003..	10 595 196	1
		2002..	10 688 279	X
3363301	Motor vehicle steering and suspension components, new	2003..	10 237 867	1
		2002..	10 351 686	X
3363303	Motor vehicle steering and suspension components, rebuilt	2003..	194 867	1
		2002..	182 073	X
336330W	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, total	2003..	162 461	3
		2002..	154 520	X
336340	Motor vehicle brake system manufacturing	2003..	11 850 518	1
		2002..	12 261 956	X
3363401	Motor vehicle brake parts and assemblies, new	2003..	11 302 832	1
		2002..	11 672 431	X
3363403	Motor vehicle brake parts and assemblies, rebuilt	2003..	370 505	5
		2002..	407 363	X
336340W	Motor vehicle brake system manufacturing, nsk, total	2003..	177 181	3
		2002..	182 162	X
336350	Motor vehicle transmission and power train parts manufacturing	2003..	34 029 003	3
		2002..	35 839 495	X
3363501	Motor vehicle drive train components, new	2003..	32 521 410	3
		2002..	34 498 469	X
3363503	Motor vehicle drive train components, rebuilt	2003..	1 073 293	9
		2002..	945 328	X
336350W	Motor vehicle transmission and power train parts manufacturing, nsk, total	2003..	434 301	5
		2002..	395 698	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336360	Motor vehicle seating and interior trim manufacturing	2003..	16 623 671	1
		2002..	16 748 299	X
3363601	Automobile trimmings	2003..	4 572 057	3
		2002..	4 496 616	X
3363602	Fabricated seat and safety belts, including shoulder harnesses (except leather)	2003..	611 716	1
		2002..	633 271	X
3363603	Seats for public conveyance and aircraft	2003..	9 230 248	1
		2002..	9 484 497	X
3363605	Fabricated automobile seat covers and tire covers	2003..	570 358	4
		2002..	614 987	X
3363607	Metal motor vehicle seat frames	2003..	1 222 631	2
		2002..	1 157 987	X
336360W	Motor vehicle seating and interior trim manufacturing, nsk, total	2003..	416 661	2
		2002..	360 941	X
336370	Motor vehicle metal stamping	2003..	24 305 008	2
		2002..	24 752 577	X
3363700	Automotive job stampings (truck, bus, and passenger car)	2003..	24 305 008	2
		2002..	24 752 577	X
336391	Motor vehicle air-conditioning manufacturing	2003..	4 744 061	1
		2002..	4 902 165	X
3363917	Motor vehicle mechanical air-conditioning systems ³	2003..	3 031 643	1
		2002..	3 150 082	X
336391B	Automotive air-conditioning compressors (open-type, with or without motor) ³	2003..	1 695 692	1
		2002..	1 735 094	X
336391W	Motor vehicle air-conditioning manufacturing, nsk, total	2003..	16 726	29
		2002..	16 989	X
336399	All other motor vehicle parts manufacturing	2003..	37 113 790	1
		2002..	37 366 189	X
3363991	Filters for internal combustion engines and motor vehicles, new	2003..	2 804 466	2
		2002..	2 843 056	X
3363993	Exhaust system parts, new	2003..	6 994 280	2
		2002..	7 229 238	X
3363995	Motor vehicle wheels, new	2003..	2 539 146	2
		2002..	2 670 146	X
3363996	Trailer hitches (for travel trailers, automobile trailers, and light duty truck trailers)	2003..	355 998	4
		2002..	366 636	X
3363998	All other motor vehicle parts and accessories, new and rebuilt	2003..	21 912 901	2
		2002..	21 423 785	X
336399W	All other motor vehicle parts manufacturing, nsk, total	2003..	2 506 999	6
		2002..	2 833 328	X
336411	Aircraft manufacturing	2003..	59 844 834	1
		2002..	60 729 396	X
3364112	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications)	2003..	15 088 230	1
		2002..	14 326 081	X
3364113	Civilian aircraft ³	2003..	32 578 202	1
		2002..	34 835 253	X
3364115	Modification, conversion, and overhaul of previously accepted aircraft	2003..	5 836 303	2
		2002..	6 156 085	X
3364117	All other aeronautical services on complete aircraft	2003..	6 175 768	1
		2002..	4 853 434	X
336411W	Aircraft manufacturing, nsk, total	2003..	166 331	36
		2002..	558 543	X
336412	Aircraft engine and engine parts manufacturing	2003..	20 777 269	1
		2002..	20 774 228	X
3364121	Military aircraft engines (including other aircraft engines built to military specifications)	2003..	1 860 413	1
		2002..	1 805 031	X
3364123	Civilian aircraft engines ³	2003..	5 896 149	1
		2002..	5 918 229	X
3364125	Aeronautical services on aircraft engines	2003..	3 731 285	1
		2002..	3 534 525	X
3364127	Aircraft engine parts and accessories	2003..	8 903 422	1
		2002..	9 093 182	X
336412W	Aircraft engine and engine parts manufacturing, nsk, total	2003..	386 001	2
		2002..	423 261	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2003..	20 960 039	1
		2002..	21 100 556	X
3364131	Aircraft propellers and helicopter rotors	2003..	1 605 761	3
		2002..	483 449	X
3364133	Research and development on aircraft parts (except engines)	2003..	692 248	2
		2002..	603 960	X
3364136	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines	2003..	17 796 129	1
		2002..	18 907 619	X
336413W	Other aircraft parts and auxiliary equipment manufacturing, nsk, total	2003..	865 901	15
		2002..	1 105 528	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336414	Guided missile and space vehicle manufacturing	2003..	11 118 202	3
		2002..	10 345 901	X
3364141	Complete guided missiles	2003..	4 266 875	1
		2002..	3 796 806	X
3364143	Research and development on complete guided missiles	2003..	1 059 305	1
		2002..	785 535	X
3364145	Other services on complete guided missiles	2003..	42 636	1
		2002..	55 445	X
3364147	Complete space vehicles (excluding propulsion systems)	2003..	4 623 758	4
		2002..	4 473 244	X
3364149	Research and development on complete space vehicles	2003..	D	S
		2002..	D	X
336414A	All other services on complete space vehicles	2003..	D	S
		2002..	D	X
336414W	Guided missile and space vehicle manufacturing, nsk, total	2003..	2 133	1
		2002..	1 534	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2003..	3 642 799	1
		2002..	3 139 844	X
3364151	Complete missiles, space vehicle engines, and propulsion units	2003..	2 288 811	1
		2002..	2 041 604	X
3364153	Research and development on complete missiles, space vehicle engines, and propulsion units	2003..	807 423	1
		2002..	583 875	X
3364155	Other services on complete missiles, space vehicle engines, and propulsion units	2003..	288 871	1
		2002..	286 978	X
3364157	Missile and space vehicle engine and propulsion parts and accessories	2003..	251 202	1
		2002..	221 516	X
336415W	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing, nsk, total	2003..	6 492	9
		2002..	5 871	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2003..	2 867 720	3
		2002..	2 864 675	X
3364191	Missile and space vehicle components, parts, and subassemblies	2003..	2 324 390	4
		2002..	2 607 751	X
3364193	Research and development on missile and space vehicle parts and components	2003..	492 784	1
		2002..	205 509	X
336419W	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, total	2003..	50 546	1
		2002..	51 415	X
336510	Railroad rolling stock manufacturing	2003..	6 029 038	2
		2002..	6 414 562	X
3365101	Locomotives, new and rebuilt (including parts)	2003..	2 450 556	1
		2002..	2 610 323	X
3365103	Freight train and passenger train cars, new (excluding parts)	2003..	1 059 617	1
		2002..	1 111 439	X
3365105	Street, subway, trolley, and rapid transit cars, rebuilt (including parts)	2003..	2 280 004	4
		2002..	2 466 118	X
336510W	Railroad rolling stock manufacturing, nsk, total	2003..	238 862	5
		2002..	226 682	X
336611	Ship building and repairing	2003..	13 069 264	1
		2002..	12 303 669	X
3366111	Nonpropelled ships, new construction	2003..	726 901	4
		2002..	755 895	X
3366113	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction	2003..	D	S
		2002..	D	X
3366116	Nonmilitary self-propelled ships, new construction	2003..	1 449 390	3
		2002..	1 514 878	X
3366118	Ship repair, military	2003..	D	S
		2002..	D	X
336611A	Ship repair, nonmilitary	2003..	669 433	7
		2002..	613 872	X
336611W	Ship building and repairing, nsk, total	2003..	564 142	5
		2002..	558 118	X
336612	Boat building	2003..	7 987 642	2
		2002..	7 844 696	X
3366121	Outboard motorboats, including commercial and military (except sailboats and lifeboats)	2003..	2 399 967	5
		2002..	2 604 144	X
3366123	Inboard motorboats, including commercial and military (except sailboats and lifeboats)	2003..	2 510 782	4
		2002..	2 366 467	X
3366125	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	2003..	1 770 667	3
		2002..	1 587 322	X
3366128	All other boats (excluding military and commercial)	2003..	518 617	3
		2002..	504 368	X

See footnotes at end of table.

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
336612	Boat building—Con.			
336612W	Boat building, nsk, total	2003..	787 610	5
		2002..	782 395	X
336991	Motorcycle, bicycle, and parts manufacturing	2003..	4 565 061	2
		2002..	4 217 540	X
3369912	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	2003..	820 353	5
		2002..	842 776	X
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	2003..	3 556 113	1
		2002..	3 162 206	X
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	2003..	188 595	19
		2002..	212 558	X
336992	Military armored vehicle, tank, and tank component manufacturing	2003..	1 817 563	1
		2002..	1 795 202	X
3369920	Military armored vehicles, tanks, and tank components	2003..	1 817 563	1
		2002..	1 795 202	X
336999	All other transportation equipment manufacturing	2003..	7 013 981	3
		2002..	6 962 213	X
3369991	Self-propelled golf carts and industrial in-plant personnel carriers (including parts)	2003..	906 871	12
		2002..	968 608	X
3369995	All other miscellaneous transportation equipment, including all-terrain vehicles	2003..	5 892 909	3
		2002..	5 742 513	X
336999W	All other transportation equipment manufacturing, nsk, total	2003..	214 201	10
		2002..	251 092	X
337110	Wood kitchen cabinet and countertop manufacturing	2003..	14 616 442	1
		2002..	13 792 701	X
337110H	Wood custom kitchen cabinets, bathroom vanities, and related cabinetwork for permanent installation sold directly to the customer at retail	2003..	3 195 030	2
		2002..	2 953 381	X
3371101	Wood stock line kitchen cabinets and related cabinetwork for permanent installation	2003..	5 149 886	1
		2002..	4 738 908	X
3371104	Other wood custom kitchen cabinets and related cabinetwork for permanent installation, excluding kitchen cabinets and related cabinetwork sold directly to the customer at retail	2003..	1 540 213	3
		2002..	1 437 063	X
3371107	Bathroom vanities and related cabinetwork for permanent installation, excluding wood custom bathroom vanities and related cabinetwork sold directly to the customer at retail	2003..	1 187 052	2
		2002..	958 265	X
337110B	Wood and plastics laminated wood kitchen cabinet tops	2003..	667 332	7
		2002..	707 847	X
337110F	Wood and plastics laminated wood bathroom vanity tops	2003..	167 547	10
		2002..	239 314	X
337110W	Wood kitchen cabinet and countertop manufacturing, nsk, total	2003..	2 709 382	2
		2002..	2 757 923	X
337121	Upholstered household furniture manufacturing	2003..	10 201 395	1
		2002..	10 371 697	X
3371211	Upholstered wood household furniture, excluding stock line dual-purpose sleep furniture	2003..	8 591 111	1
		2002..	8 827 141	X
3371213	Upholstered household furniture (except wood)	2003..	131 385	6
		2002..	107 838	X
3371214	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames (except custom sold directly to the customer at retail)	2003..	555 332	3
		2002..	507 863	X
337121W	Upholstered household furniture manufacturing, nsk, total	2003..	923 567	2
		2002..	928 855	X
337122	Nonupholstered wood household furniture manufacturing	2003..	10 353 218	1
		2002..	11 439 140	X
3371221	Wood household den, family room, library, and living room furniture (except custom sold directly to the customer at retail)	2003..	3 238 075	3
		2002..	3 476 737	X
3371224	Wood dining room and kitchen furniture (except custom sold directly to the customer at retail), excluding kitchen cabinets	2003..	1 266 395	3
		2002..	1 597 278	X
3371228	Wood bedroom furniture (except custom sold directly to the customer at retail)	2003..	2 510 152	1
		2002..	2 873 538	X
337122A	Infants' and children's wood furniture (except custom sold directly to the customer at retail)	2003..	385 168	2
		2002..	462 951	X
337122E	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture (except custom sold directly to the customer at retail)	2003..	1 625 788	4
		2002..	1 853 364	X
337122H	Custom nonupholstered wood household furniture sold directly to the customer at retail (except kitchen cabinets, bathroom vanities, and related cabinetwork)	2003..	101 379	8
		2002..	109 840	X
337122W	Nonupholstered wood household furniture manufacturing, nsk, total	2003..	1 226 261	4
		2002..	1 065 432	X

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Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337124	Metal household furniture manufacturing	2003..	1 617 607	3
		2002..	1 921 910	X
3371241	Metal dining room and kitchen furniture, including padded and plain chairs and stools	2003..	198 341	9
		2002..	222 032	X
3371244	Metal outdoor and casual furniture, including beach, lawn, garden, and porch furniture	2003..	544 970	7
		2002..	701 217	X
3371248	Other nonupholstered metal household furniture	2003..	611 366	2
		2002..	669 725	X
337124W	Metal household furniture manufacturing, nsk, total	2003..	262 930	12
		2002..	328 936	X
337125	Household furniture (except wood and metal) manufacturing	2003..	793 664	8
		2002..	786 211	X
3371250	Nonupholstered household furniture (except wood and metal)	2003..	793 664	8
		2002..	786 211	X
337127	Institutional furniture manufacturing	2003..	4 139 549	2
		2002..	4 145 834	X
3371271	School furniture (except stone and concrete), excluding library furniture	2003..	842 267	4
		2002..	785 517	X
3371274	Public building and related furniture, excluding bar, bowling center, cafeteria, restaurant, and school furniture	2003..	1 249 521	3
		2002..	1 279 487	X
3371278	Bar, bowling center, cafeteria, and restaurant furniture	2003..	854 862	5
		2002..	907 472	X
337127A	Other furniture	2003..	710 327	4
		2002..	693 327	X
337127W	Institutional furniture manufacturing, nsk, total	2003..	482 572	3
		2002..	480 031	X
337129	Wood television, radio, and sewing machine cabinet manufacturing	2003..	351 075	2
		2002..	394 453	X
3371290	Wood television, radio, and sewing machine cabinets used as housings	2003..	351 075	2
		2002..	394 453	X
337211	Wood office furniture manufacturing	2003..	3 029 900	1
		2002..	2 948 717	X
3372111	Wood office seating, including upholstered seating	2003..	570 853	2
		2002..	578 286	X
3372114	Wood office desks and extensions	2003..	606 698	2
		2002..	639 436	X
3372117	Wood office files, storage units, and tables	2003..	673 270	3
		2002..	660 374	X
337211A	Wood office furniture panel systems, desking systems, and other wood office furniture	2003..	921 081	2
		2002..	803 578	X
337211W	Wood office furniture manufacturing, nsk, total	2003..	257 998	2
		2002..	267 043	X
337212	Custom architectural woodwork and millwork manufacturing	2003..	3 452 405	3
		2002..	3 667 292	X
3372120	Custom architectural woodwork, millwork, and fixtures	2003..	3 452 405	3
		2002..	3 667 292	X
337214	Office furniture (except wood) manufacturing	2003..	7 511 050	1
		2002..	7 225 013	X
3372141	Nonwood office seating, including upholstered seating	2003..	2 620 068	1
		2002..	2 162 886	X
3372144	Nonwood office desks and extensions	2003..	230 766	13
		2002..	284 236	X
3372147	Nonwood office files, storage units, and tables	2003..	2 370 263	1
		2002..	2 329 188	X
337214A	Nonwood office furniture panel systems, desking systems, and other nonwood office furniture	2003..	2 081 335	4
		2002..	2 179 009	X
337214W	Office furniture (except wood) manufacturing, nsk, total	2003..	208 619	28
		2002..	269 694	X
337215	Showcase, partition, shelving, and locker manufacturing	2003..	7 792 400	2
		2002..	8 140 023	X
3372151	Wood lockers, partitions, and shelving (except custom)	2003..	181 559	4
		2002..	184 536	X
3372155	Wood bank, office, store, and related fixtures (except custom)	2003..	1 550 552	5
		2002..	1 544 639	X
3372157	Nonwood partitions, prefabricated, assembled and knock-down	2003..	237 893	6
		2002..	257 969	X
337215A	Nonwood shelving and lockers	2003..	1 090 025	3
		2002..	1 080 868	X
337215E	Nonwood storage racks and accessories	2003..	946 814	3
		2002..	917 152	X
337215G	Nonwood bank, office, store, and related fixtures	2003..	1 304 044	6
		2002..	1 369 771	X
337215J	Wood furniture frames	2003..	246 496	7
		2002..	292 951	X

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Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
337215	Showcase, partition, shelving, and locker manufacturing—Con.		
337215L	Hardwood and softwood furniture dimension fully machined ready for assembly	2003.. 1 042 313 2002.. 910 106	3 X
337215W	Showcase, partition, shelving, and locker manufacturing, nsk, total	2003.. 1 192 705 2002.. 1 582 031	10 X
337910	Mattress manufacturing	2003.. 5 112 516 2002.. 4 912 961	3 X
3379101	Innerspring mattresses (including innerspring mattresses made with polyurethane and rubber topper pads and sold as part of Hollywood beds), excluding innerspring crib-size mattresses	2003.. 3 048 580 2002.. 2 806 730	4 X
3379104	Other mattresses	2003.. 505 468 2002.. 481 999	6 X
3379107	Foundations, excluding innerspring units and foundations incorporated into hybrid-type flotation sleep ensembles and electric adjustable sleep ensembles	2003.. 1 200 459 2002.. 1 234 994	7 X
337910A	Sleep system ensembles and mattresses, excluding conventional waterbeds	2003.. 122 181 2002.. 97 632	5 X
337910W	Mattress manufacturing, nsk, total	2003.. 235 827 2002.. 291 606	16 X
337920	Blind and shade manufacturing	2003.. 2 369 060 2002.. 2 534 474	2 X
3379202	Window shades and window shade accessories and rollers	2003.. 625 877 2002.. 609 578	4 X
3379204	Venetian blinds, including components and parts	2003.. 834 178 2002.. 931 029	3 X
3379208	Other blinds and shades, including curtain and drapery fixtures, poles, and rods	2003.. 761 056 2002.. 810 757	4 X
337920W	Blind and shade manufacturing, nsk, total	2003.. 147 949 2002.. 183 110	16 X
339111	Laboratory apparatus and furniture manufacturing	2003.. 4 405 312 2002.. 4 277 473	1 X
3391114	Hospital beds	2003.. 660 287 2002.. 765 798	1 X
3391116	Hospital furniture	2003.. 905 436 2002.. 882 281	1 X
3391118	Laboratory apparatus and furniture ³	2003.. 2 622 379 2002.. 2 457 468	1 X
339111W	Laboratory apparatus and furniture manufacturing, nsk, total	2003.. 217 210 2002.. 171 926	7 X
339112	Surgical and medical instrument manufacturing	2003.. 21 598 262 2002.. 20 515 808	3 X
3391120	Surgical and medical instruments	2003.. 21 598 262 2002.. 20 515 808	3 X
339113	Surgical appliance and supplies manufacturing	2003.. 25 754 220 2002.. 23 272 314	1 X
3391132	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies	2003.. 21 252 502 2002.. 19 211 483	1 X
3391136	Personal industrial and nonindustrial safety equipment and clothing	2003.. 3 145 303 2002.. 2 791 800	4 X
339113W	Surgical appliance and supplies manufacturing, nsk, total	2003.. 1 356 416 2002.. 1 269 031	5 X
339114	Dental equipment and supplies manufacturing	2003.. 3 109 462 2002.. 3 013 943	1 X
3391141	Dental professional equipment and supplies	2003.. 1 965 130 2002.. 2 005 945	1 X
3391143	Dental laboratory equipment and supplies	2003.. 801 692 2002.. 732 675	3 X
339114W	Dental equipment and supplies manufacturing, nsk, total	2003.. 342 640 2002.. 275 323	5 X
339115	Ophthalmic goods manufacturing	2003.. 4 138 649 2002.. 3 976 330	5 X
3391151	Ophthalmic fronts and temples	2003.. 64 842 2002.. 67 644	1 X
3391153	Ophthalmic glass focal lenses	2003.. 36 257 2002.. 42 783	1 X
3391155	Ophthalmic plastics focal lenses	2003.. 594 263 2002.. 585 625	11 X
3391157	Contact lenses	2003.. 1 931 245 2002.. 1 852 962	9 X
339115B	Other ophthalmic goods and prescription ground eyeglass lenses	2003.. 1 068 768 2002.. 1 058 991	2 X
339115W	Ophthalmic goods manufacturing, nsk, total	2003.. 443 275 2002.. 368 325	23 X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339116	Dental laboratories	2003..	3 446 262	4
		2002..	3 111 473	X
3391160	Dental laboratories	2003..	3 446 262	4
		2002..	3 111 473	X
339911	Jewelry (except costume) manufacturing	2003..	5 573 463	1
		2002..	5 536 108	X
3399111	Jewelry made of gold and platinum, excluding jewelry made of gold and platinum clad or plated to silver and nonprecious metal	2003..	3 437 700	1
		2002..	3 499 728	X
3399113	Jewelry made of silver (including jewelry made of gold and platinum clad or plated to silver), excluding jewelry made of silver clad or plated to nonprecious metal	2003..	832 820	3
		2002..	761 343	X
3399115	Other jewelry, except costume	2003..	653 675	2
		2002..	636 033	X
3399117	Stamped metal coins, including stamped metal tokens	2003..	32 913	9
		2002..	35 048	X
339911W	Jewelry (except costume) manufacturing, nsk, total	2003..	616 355	7
		2002..	603 956	X
339912	Silverware and hollowware manufacturing	2003..	345 669	4
		2002..	422 351	X
3399122	Precious metal and pewter hollowware, including baby goods, ecclesiastical ware, novelties, toiletware, and trophies	2003..	142 768	11
		2002..	119 777	X
3399125	Precious metal and pewter flatware and cutlery, including all knives, forks, spoons, and carving sets made wholly of metal	2003..	163 116	1
		2002..	266 453	X
339912W	Silverware and hollowware manufacturing, nsk, total	2003..	39 786	8
		2002..	36 121	X
339913	Jewelers' material and lapidary work manufacturing	2003..	1 077 348	1
		2002..	1 051 634	X
3399132	Lapidary work, including cutting, engraving, and polishing precious stones, semiprecious stones, natural or cultured pearls, and diamonds for jewelry and industrial purposes (except for watch jewels)	2003..	373 688	1
		2002..	346 217	X
3399133	Jewelers' findings and materials made of precious metal, excluding jewelers' findings and materials made of gold, platinum, and silver plated to nonprecious metal	2003..	563 791	1
		2002..	581 336	X
3399135	Other jewelers' findings and materials, including jewelers' findings and materials made of gold, platinum, and silver plated to nonprecious metal	2003..	55 711	9
		2002..	45 480	X
339913W	Jewelers' material and lapidary work manufacturing, nsk, total	2003..	84 158	9
		2002..	78 601	X
339914	Costume jewelry and novelty manufacturing	2003..	758 998	7
		2002..	777 839	X
3399140	Costume jewelry and novelties	2003..	758 998	7
		2002..	777 839	X
339920	Sporting and athletic goods manufacturing	2003..	11 014 984	2
		2002..	10 826 265	X
3399201	Fishing tackle and equipment	2003..	655 174	4
		2002..	666 967	X
3399203	Golf equipment, excluding apparel and shoes	2003..	2 976 276	1
		2002..	2 813 177	X
3399205	Playground equipment	2003..	834 951	2
		2002..	864 976	X
3399207	Gymnasium and exercise equipment	2003..	2 541 359	6
		2002..	2 267 051	X
339920A	Other sporting and athletic goods	2003..	3 110 714	3
		2002..	3 401 117	X
339920W	Sporting and athletic goods manufacturing, nsk, total	2003..	896 510	4
		2002..	812 977	X
339931	Doll and stuffed toy manufacturing	2003..	205 956	9
		2002..	276 191	X
3399310	Dolls, toy animals, action figures, and stuffed toys (including parts and accessories)	2003..	205 956	9
		2002..	276 191	X
339932	Game, toy, and children's vehicle manufacturing	2003..	3 265 020	1
		2002..	3 419 367	X
3399322	Baby carriages and children's vehicles (including parts for children's vehicles sold separately), excluding bicycles with pneumatic tires	2003..	174 580	2
		2002..	170 332	X
3399327	Nonelectronic games and puzzles, including parts	2003..	487 545	3
		2002..	471 374	X
3399326	Models (operating and static), craft kits and supplies, natural science kits and sets, and collectors' miniatures	2003..	476 531	2
		2002..	488 112	X
3399329	Other electronic toys and games, including home video games (excluding cartridges, disks, and tapes)	2003..	842 207	1
		2002..	817 071	X
3399328	Other nonelectronic toys, including parts	2003..	1 016 887	2
		2002..	1 220 515	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product		Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339932	Game, toy, and children's vehicle manufacturing—Con.			
339932W	Game, toy, and children's vehicle manufacturing, nsk, total	2003..	267 269	6
		2002..	251 963	X
339941	Pen and mechanical pencil manufacturing	2003..	1 327 598	1
		2002..	1 332 824	X
3399411	Ballpoint and roller pens	2003..	631 664	1
		2002..	617 625	X
3399413	Markers	2003..	472 313	1
		2002..	488 173	X
3399415	Other pens, mechanical pencils, and parts for pens, markers, and mechanical pencils	2003..	191 811	1
		2002..	199 313	X
339941W	Pen and mechanical pencil manufacturing, nsk, total	2003..	31 810	2
		2002..	27 713	X
339942	Lead pencil and art good manufacturing	2003..	1 074 916	5
		2002..	1 181 399	X
3399421	Nonmechanical (wood-cased) pencils, graphite and colored sticks, chalk, crayons, and blackboards	2003..	505 605	3
		2002..	513 638	X
3399423	Artists' equipment and materials	2003..	411 541	1
		2002..	416 597	X
3399427	Nonelectric office machines, including nonelectric gummed tape moisteners, paper cutters and trimmers, pencil sharpeners, perforators, punches, scalers for gummed tape, staple removers, and staplers ³	2003..	98 513	47
		2002..	170 810	X
339942W	Lead pencil and art good manufacturing, nsk, total	2003..	59 258	21
		2002..	80 354	X
339943	Marking device manufacturing	2003..	550 341	4
		2002..	519 718	X
3399430	Marking devices	2003..	550 341	4
		2002..	519 718	X
339944	Carbon paper and inked ribbon manufacturing	2003..	583 093	2
		2002..	690 638	X
3399441	Inked ribbons	2003..	D	S
		2002..	532 675	X
3399443	Carbon paper and stencil paper	2003..	D	S
		2002..	90 137	X
339944W	Carbon paper and inked ribbon manufacturing, nsk, total	2003..	62 284	4
		2002..	67 826	X
339950	Sign manufacturing	2003..	9 055 631	1
		2002..	8 874 058	X
3399501	Electric signs	2003..	2 715 809	2
		2002..	2 592 666	X
3399503	Nonelectric signs and displays, including counter, floor, and point-of-purchase displays	2003..	3 119 884	2
		2002..	3 095 982	X
3399505	Advertising specialties	2003..	1 357 461	3
		2002..	1 399 742	X
339950W	Sign manufacturing, nsk, total	2003..	1 862 477	3
		2002..	1 785 668	X
339991	Gasket, packing, and sealing device manufacturing	2003..	4 809 897	2
		2002..	4 988 294	X
3399911	Compression packings	2003..	328 984	21
		2002..	310 632	X
3399913	Nonmetallic gaskets and gasketing	2003..	1 434 145	4
		2002..	1 481 989	X
3399915	Molded packings and seals	2003..	1 257 557	2
		2002..	1 212 062	X
3399917	Metallic gaskets and machined seals	2003..	722 894	2
		2002..	759 649	X
3399918	Axial mechanical face seals, including parts	2003..	201 233	3
		2002..	204 135	X
3399919	Rotary oil seals	2003..	465 509	9
		2002..	558 796	X
339991W	Gasket, packing, and sealing device manufacturing, nsk, total	2003..	399 574	5
		2002..	461 031	X
339992	Musical instrument manufacturing	2003..	1 738 991	2
		2002..	1 723 653	X
3399921	Nonelectronic pianos	2003..	173 245	1
		2002..	173 794	X
3399923	Organs	2003..	103 139	21
		2002..	105 608	X
3399925	Nonelectronic piano and organ parts, excluding benches	2003..	32 952	1
		2002..	49 941	X
3399927	Other musical instruments and parts	2003..	1 353 990	1
		2002..	1 326 570	X
339992W	Musical instrument manufacturing, nsk, total	2003..	75 665	10
		2002..	67 740	X

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 2003 and 2002—Con.

[Includes value of product shipments produced by (1) establishments classified in their primary industry and (2) establishments classified in other industries (secondary). Transfers of products from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2003 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product class code	Product	Value of product shipments (\$1,000)	Relative standard error of estimate ¹ (percent)
339993	Fastener, button, needle, and pin manufacturing	2003.. 615 851 2002.. 629 636	3 X
3399931	Buttons and button parts, including button backs, blanks, and molds (excluding buttons and button parts made of precious metals and precious and semiprecious stones)	2003.. 207 126 2002.. 203 639	6 X
3399933	Zippers and slide fasteners, excluding zippers and slide fasteners made of precious metals and precious and semiprecious stones	2003.. 125 153 2002.. 133 255	2 X
3399935	Buckles, fasteners (except slide fasteners), needles, and pins, excluding those made of precious metals and precious and semiprecious stones	2003.. 214 812 2002.. 222 580	5 X
339993W	Fastener, button, needle, and pin manufacturing, nsk, total	2003.. 68 760 2002.. 70 162	1 X
339994	Broom, brush, and mop manufacturing	2003.. 1 968 365 2002.. 2 079 334	4 X
3399941	Brooms, mops, and dusters	2003.. 448 034 2002.. 544 278	19 X
3399943	Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers	2003.. 475 402 2002.. 490 584	1 X
3399945	Other brushes	2003.. 911 345 2002.. 894 159	3 X
339994W	Broom, brush, and mop manufacturing, nsk, total	2003.. 133 584 2002.. 150 313	3 X
339995	Burial casket manufacturing	2003.. 963 364 2002.. 1 188 319	2 X
3399951	Metal burial caskets and coffins, completely lined and trimmed, adult sizes only	2003.. 525 602 2002.. 778 673	2 X
3399953	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only	2003.. 291 967 2002.. 273 709	5 X
3399955	Other burial caskets and coffins, including burial boxes and vaults (except concrete and stone), casket shells, casket shipping cases and containers, and children's caskets and coffins	2003.. 90 681 2002.. 81 462	4 X
339995W	Burial casket manufacturing, nsk, total	2003.. 55 114 2002.. 54 475	2 X
339999	All other miscellaneous manufacturing	2003.. 13 389 350 2002.. 12 640 805	1 X
3399991	Hand-portable and fixed-system (except water sprinkler system) fire extinguishing equipment, parts and attachments	2003.. 663 904 2002.. 626 171	3 X
3399993	Coin-operated amusement machines, excluding jukeboxes	2003.. 1 478 371 2002.. 1 211 214	1 X
3399995	Candles, including tapers	2003.. 1 313 137 2002.. 1 236 983	2 X
3399997	Umbrellas and parasols, including parts for umbrellas and parasols	2003.. 68 252 2002.. 70 201	3 X
3399999	Artificial trees, flowers, fruits, and wreaths, including feathers and plumes	2003.. 274 594 2002.. 260 711	3 X
339999E	Mirror and picture frames and framed pictures	2003.. 1 170 232 2002.. 1 413 742	4 X
339999K	All other miscellaneous fabricated products	2003.. 5 598 790 2002.. 5 281 252	1 X
339999W	All other miscellaneous manufacturing, nsk, total	2003.. 2 822 070 2002.. 2 540 531	3 X

¹Description of relative standard error of estimate is given in Appendix C. Percentage standard errors shown are approximate relative standard errors of estimates of level.

²This product class is primary to more than one industry. See Appendix G for products primary relationships.

³Additional data are available for this product class in the Current Industrial Report (CIR) series. See Appendix F for CIR survey number and title.

⁴Additional data are available for this product class in the Current Industrial Report (CIR) series. Also, this product class is primary to more than one industry. See Appendix F for CIR survey number and title and Appendix G for products primary relationships.

Note 1: Previous years' data may differ from that published in the 2002 Economic Census because of changes encountered in subsequent review of the 2003 Annual Survey of Manufactures (ASM).

Note 2: The data in this table are based on the 2003 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Appendix A.

Explanation of Terms

PRODUCT CODES AND CLASSES OF PRODUCTS

NAICS United States industries are identified by a six-digit code. The longer code accommodates the large number of sectors and allows more flexibility in designing subsectors. Each product or service is assigned a ten-digit code. The product coding structure represents an extension by the Census Bureau of the six-digit industry classifications of the manufacturing and mining sectors. The classification system operates so that the industrial coverage is progressively narrower with the successive addition of digits.

As in previous censuses, data were collected for most industries on the quantity and value of individual products shipped. Since the 1997 census programs, information is collected on the output of almost 10,000 individual product items.

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.

The list of products for which separate information was collected was prepared after consultation with industry and government representatives.

Comparability with previous figures was given considerable weight in the selection of product categories, so that comparable 1992 information is presented for most products.

Typically, both quantity and value of shipments information were collected. However, if quantity was not significant or could not be reported by manufacturers, only value of shipments was collected.

Shipments include both commercial shipments and transfers of products to other plants of the same company. For industries in which a considerable portion of the total shipments is transferred to other plants of the same company, separate information on interplant transfers also was collected. Moreover, for products that are used to a large degree within the same establishment as materials or components in the fabrication of other products, total production and often consumption of the item within the plant (quantity produced and consumed) was collected. Typically, the information on production also was collected for products for which there are significant differences between total production and shipments in a given year because of wide fluctuations in finished goods inventories. Other measures of output of products with long production cycles were used as appropriate and feasible.

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.
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.
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 paper mills in the paper and allied products 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.

Appendix B. NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C.

Methodology

SOURCES OF THE DATA

The Annual Survey of Manufactures (ASM) is a sample survey of approximately 57,000 establishments. A new sample is selected at 5-year intervals beginning the second survey year subsequent to the Economic Census — Manufacturing. The current sample was selected from the 1997 Economic Census — Manufacturing and has been used as the ASM sample since 1999. A new ASM sample will be introduced for the 2004-2008 surveys based on the 2002 Economic Census — Manufacturing.

In 1997, there were approximately 366,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1997 manufacturing population was divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining the Annual Survey of Manufactures (ASM) sample information from each are described below:

1. Establishments sent a report form:

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 366,000 establishments in the 1997 Economic Census — Manufacturing 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).

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 \$1 billion 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 14,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 500 employees or more were defined as employment certainties. In addition, all establishments producing electronic computers were defined as certainties. A final certainty category, small industry certainties, was added for the 1999 sample. This category assured that all establishments of small industries (20 establishments or less) were included in the sample. Across these four arbitrary certainty classes, there were approximately 16,600 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 62 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 and six-digit industry, a desired reliability constraint was specified. The product class constraints were based on product class size (1997 shipments) while the industry constraints were a function of both current size (1997 shipments) and change in size since 1992. 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).

2. Establishments not sent a report form:

- a. Nonmail stratum. The nonmail component of the Annual Survey of Manufactures (ASM) traditionally consists of small, single-establishment companies from the Economic Census — Manufacturing. For the 1999 sample, this component also included approximately 3,600 single-establishment companies that were rotated from the mail stratum to the nonmail stratum in order to prevent their selection in consecutive sample panels. The combined initial nonmail component of the 1999 sample contained approximately 166,000 single-establishment companies from 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 these companies 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.
- b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees, during 2003 are excluded as in previous Annual Survey of Manufactures (ASM). Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms, frequently asked questions, and instructions used to collect information from establishments in the Annual Survey of Manufactures (ASM) are available at <http://help.econ.census.gov/BHS/ASM/index.html>.

The Annual Survey of Manufactures (ASM) reports to review online are available at <http://www.census.gov/mcd/asmhome.html>.

ESTABLISHMENT BASIS OF REPORTING

The Annual Survey of Manufactures (ASM) is conducted on an establishment basis. Reports are filed for 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. Estimates are based on the reports from a representative sample of manufacturing establishments. These estimates represent the portion of the manufacturing population accounted for by establishments with paid employees. Nonemployers are defined as out-of-scope of the ASM. The tables provide estimates for employment, plant hours, payrolls, value added by manufacture, capital expenditures, cost of materials, inventories, value of industry shipments, and fuels and electric energy consumed for most manufacturing industries.

The Annual Survey of Manufactures (ASM) 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.

RELIABILITY OF DATA

All data compiled in the Annual Survey of Manufactures (ASM) are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the ASM. The following are two ways that further explain this method:

-
1. **Estimating Procedure.** Most of the Annual Survey of Manufactures (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 historical 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 a base year is computed from sample cases and added to the corresponding base-year values. For the 1998-2001 ASM estimates, the 1997 Economic Census — Manufacturing values serve as the base year. For the 2003 ASM, the base has been updated to 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 are directly tabulated from the administrative-record data provided by the Internal Revenue Service (IRS) and the Social Security Administration (SSA). Estimates of the other data variables are developed from industry averages. Although the nonmail stratum contained approximately 156,000 individual establishments in 2003, it accounted for less than 3 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.

2. **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 Annual Survey of Manufactures (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 Annual Survey of Manufactures (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 Annual Survey of Manufactures (ASM) 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 (resales, contract receipts, repair work, etc.). 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

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

Appendix F. Current Industrial Reports by Product Class Codes

Product class code	CIR survey	CIR description
3112218	M311K	Fats and Oils: Production, Consumption, and Stocks
3112221	M311K	Fats and Oils: Production, Consumption, and Stocks
3112224	M311J	Fats and Oils: Oilseed Crushings
3112231	M311J	Fats and Oils: Oilseed Crushings
3112234	M311K	Fats and Oils: Production, Consumption, and Stocks
3112237	M311J	Fats and Oils: Oilseed Crushings
311223A	M311J	Fats and Oils: Oilseed Crushings
311223D	M311K	Fats and Oils: Production, Consumption, and Stocks
311223G	M311K	Fats and Oils: Production, Consumption, and Stocks
311223J	M311J	Fats and Oils: Oilseed Crushings
3112252	M311K	Fats and Oils: Production, Consumption, and Stocks
3112254	M311K	Fats and Oils: Production, Consumption, and Stocks
3113201	MA311D	Confectionery
3113204	MA311D	Confectionery
3113207	MA311D	Confectionery
3113301	MA311D	Confectionery
3113401	MA311D	Confectionery
3113404	MA311D	Confectionery
3116131	M311K	Fats and Oils: Production, Consumption, and Stocks
3116135	M311K	Fats and Oils: Production, Consumption, and Stocks
3131111	MA313F	Yarn Production
3131113	MA313F	Yarn Production
3131115	MA313F	Yarn Production
3131116	MA313F	Yarn Production
3131119	MA313F	Yarn Production
3131125	MA313F	Yarn Production
3132101	MQ313T	Broadwoven Fabrics
3132103	MQ313T	Broadwoven Fabrics
3132105	MQ313T	Broadwoven Fabrics
3132107	MQ313T	Broadwoven Fabrics
313210D	MQ314X	Bed and Bath Furnishings
313210E	MQ313T	Broadwoven Fabrics
313210G	MQ313T	Broadwoven Fabrics
313210H	MQ313T	Broadwoven Fabrics
313210J	MQ313T	Broadwoven Fabrics
313210L	MQ313T	Broadwoven Fabrics
313210M	MQ313T	Broadwoven Fabrics
313210N	MQ313T	Broadwoven Fabrics
313210T	MQ313T	Broadwoven Fabrics
3132411	MA313K	Knit Fabric Production
3132491	MA313K	Knit Fabric Production
3141101	MA314Q	Carpets and Rugs
3141103	MA314Q	Carpets and Rugs
3141105	MA314Q	Carpets and Rugs
3141291	MQ314X	Bed and Bath Furnishings
3141293	MQ314X	Bed and Bath Furnishings
3141295	MQ314X	Bed and Bath Furnishings
3141296	MQ314X	Bed and Bath Furnishings
3149920	MQ313T	Broadwoven Fabrics
3151912	MQ315A	Apparel
3151914	MQ315A	Apparel
3151917	MQ315A	Apparel
315191B	MQ315A	Apparel
315191G	MA315D	Gloves and Mittens
3151921	MQ315A	Apparel
3151924	MQ315A	Apparel
3152210	MQ315A	Apparel
3152222	MQ315A	Apparel
3152224	MQ315A	Apparel
3152226	MQ315A	Apparel
3152231	MQ315A	Apparel
3152233	MQ315A	Apparel
3152242	MQ315A	Apparel
3152244	MQ315A	Apparel
3152251	MQ315A	Apparel
3152254	MQ315A	Apparel
3152282	MQ315A	Apparel
3152284	MQ315A	Apparel
3152286	MQ315A	Apparel
3152311	MQ315A	Apparel
3152313	MQ315A	Apparel
3152315	MQ315A	Apparel
3152318	MQ315A	Apparel
3152319	MQ315A	Apparel
3152321	MQ315A	Apparel
3152323	MQ315A	Apparel
3152330	MQ315A	Apparel
3152342	MQ315A	Apparel
3152344	MQ315A	Apparel
3152346	MQ315A	Apparel
3152348	MQ315A	Apparel
3152392	MQ315A	Apparel
3152394	MQ315A	Apparel
3152396	MQ315A	Apparel
3152398	MQ315A	Apparel
315239A	MQ315A	Apparel
315239C	MQ315A	Apparel
315239E	MQ315A	Apparel
3152910	MQ315A	Apparel

Product class code	CIR survey	CIR description
3152991	MQ315A	Apparel
3152993	MQ315A	Apparel
3152997	MQ315A	Apparel
3159921	MA315D	Gloves and Mittens
3159923	MA315D	Gloves and Mittens
3159925	MA315D	Gloves and Mittens
3162111	MA316A	Footwear
3162114	MA316A	Footwear
3162120	MA316A	Footwear
3162130	MA316A	Footwear
3162140	MA316A	Footwear
3162190	MA316A	Footwear
3251201	MQ325C	Industrial Gases
3251204	MQ325C	Industrial Gases
3251207	MQ325C	Industrial Gases
325120A	MQ325C	Industrial Gases
325120C	MQ325C	Industrial Gases
3251311	MQ325A	Inorganic Chemicals
3251811	MQ325A	Inorganic Chemicals
3251814	MQ325A	Inorganic Chemicals
3251881	MQ325B	Fertilizer Materials
3251884	MQ325A	Inorganic Chemicals
3251887	MQ325A	Inorganic Chemicals
325188A	MQ325A	Inorganic Chemicals
3253111	MQ325B	Fertilizer Materials
3253114	MQ325B	Fertilizer Materials
3253121	MQ325B	Fertilizer Materials
3253124	MQ325B	Fertilizer Materials
3254111	MA325G	Pharmaceutical Preparations
3254121	MA325G	Pharmaceutical Preparations
3254124	MA325G	Pharmaceutical Preparations
3254127	MA325G	Pharmaceutical Preparations
325412A	MA325G	Pharmaceutical Preparations
325412D	MA325G	Pharmaceutical Preparations
325412G	MA325G	Pharmaceutical Preparations
325412L	MA325G	Pharmaceutical Preparations
325412P	MA325G	Pharmaceutical Preparations
325412T	MA325G	Pharmaceutical Preparations
3255101	MA325F	Paint and Allied Products
3255104	MA325F	Paint and Allied Products
3255107	MA325F	Paint and Allied Products
325510B	MA325F	Paint and Allied Products
3256121	MQ325A	Inorganic Chemicals
325998J	MQ325A	Inorganic Chemicals
3271210	MQ327D	Clay Construction Products
3271220	MQ327D	Clay Construction Products
3271231	MQ327D	Clay Construction Products
3271234	MA327C	Refractories
3271240	MA327C	Refractories
3271250	MA327C	Refractories
3272111	MA327A	Flat Glass
3272123	MA327E	Glassware
3272125	MA327E	Glassware
3272127	MA327E	Glassware
3272129	MA327E	Glassware
3272130	M327G	Glass Containers
3272151	MA327E	Glassware
3272153	MA327E	Glassware
3272155	MA327E	Glassware
3272159	MA327E	Glassware
327215B	MA327E	Glassware
3279920	MA327C	Refractories
3311113	MA331B	Steel Mill Products
3311115	MA331B	Steel Mill Products
3311117	MA331B	Steel Mill Products
3311119	MA331B	Steel Mill Products
331111B	MA331B	Steel Mill Products
331111D	MA331B	Steel Mill Products
331111F	MA331B	Steel Mill Products
331111L	MA331B	Steel Mill Products
3312100	MA331B	Steel Mill Products
3312211	MA331B	Steel Mill Products
3312213	MA331B	Steel Mill Products
3312221	MA331B	Steel Mill Products
3312223	MA331B	Steel Mill Products
3312225	MA331B	Steel Mill Products
3312227	MA331B	Steel Mill Products
3312229	MA331B	Steel Mill Products
331222B	MA331B	Steel Mill Products
3313110	MQ325A	Inorganic Chemicals
3314225	MA335J	Insulated Wire and Cable
331491F	MA335J	Insulated Wire and Cable
331491H	MA335J	Insulated Wire and Cable
3315111	MA331A	Iron and Steel Castings
3315113	MA331A	Iron and Steel Castings
3315115	MA331A	Iron and Steel Castings
3315117	MA331A	Iron and Steel Castings
3315119	MA331A	Iron and Steel Castings
331511A	MA331A	Iron and Steel Castings
331511C	MA331A	Iron and Steel Castings
331511E	MA331A	Iron and Steel Castings
3315120	MA331A	Iron and Steel Castings
3315131	MA331A	Iron and Steel Castings
3315133	MA331A	Iron and Steel Castings
3315135	MA331A	Iron and Steel Castings
3315210	MA331E	Nonferrous Castings
3315220	MA331E	Nonferrous Castings
3315240	MA331E	Nonferrous Castings
3315250	MA331E	Nonferrous Castings
3315280	MA331E	Nonferrous Castings

Product class code	CIR survey	CIR description
332911F	MA334B	Measurement Instruments and Related Products
332911H	MA334B	Measurement Instruments and Related Products
3329121	MA333N	Fluid Power Products
3329123	MA333N	Fluid Power Products
3329125	MA333N	Fluid Power Products
3329127	MA333N	Fluid Power Products
3329129	MA333N	Fluid Power Products
332912B	MA333N	Fluid Power Products
332912D	MA333N	Fluid Power Products
332912F	MA333N	Fluid Power Products
332912H	MA333N	Fluid Power Products
332912J	MA333N	Fluid Power Products
332912L	MA333N	Fluid Power Products
332912N	MA333N	Fluid Power Products
3329911	MA332Q	Antifriction Bearings
3329913	MA332Q	Antifriction Bearings
3329915	MA332Q	Antifriction Bearings
3329917	MA332Q	Antifriction Bearings
3329919	MA332Q	Antifriction Bearings
3331111	MA333A	Farm Machinery and Lawn and Garden Equipment
3331114	MA333A	Farm Machinery and Lawn and Garden Equipment
3331117	MA333A	Farm Machinery and Lawn and Garden Equipment
3331119	MA333A	Farm Machinery and Lawn and Garden Equipment
333111A	MA333A	Farm Machinery and Lawn and Garden Equipment
333111C	MA333A	Farm Machinery and Lawn and Garden Equipment
333111E	MA333A	Farm Machinery and Lawn and Garden Equipment
333111G	MA333A	Farm Machinery and Lawn and Garden Equipment
333111J	MA333A	Farm Machinery and Lawn and Garden Equipment
3331121	MA333A	Farm Machinery and Lawn and Garden Equipment
3331123	MA333A	Farm Machinery and Lawn and Garden Equipment
3331127	MA333A	Farm Machinery and Lawn and Garden Equipment
3331201	MA333D	Construction Machinery
3331311	MA333F	Mining Machinery
3331315	MA333F	Mining Machinery
3331317	MA333F	Mining Machinery
3331327	MA333F	Mining Machinery
3332987	MA333A	Farm Machinery and Lawn and Garden Equipment
3333131	MA334R	Computers and Office Machines
3333137	MA334R	Computers and Office Machines
333313A	MA334R	Computers and Office Machines
333313E	MA334R	Computers and Office Machines
333313J	MA334R	Computers and Office Machines
3333141	MA334B	Measurement Instruments and Related Products
3333143	MA334B	Measurement Instruments and Related Products
3333197	MA334P	Communication and Other Electronic Equipment
333414A	MA335E	Electric Housewares and Fans
3334152	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334153	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334155	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3334156	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415A	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415C	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415E	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415F	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
333415G	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3335121	MQ333W	Metalworking Machinery
3335122	MQ333W	Metalworking Machinery
3335123	MQ333W	Metalworking Machinery
3335124	MQ333W	Metalworking Machinery
3335126	MQ333W	Metalworking Machinery
3335127	MQ333W	Metalworking Machinery
3335128	MQ333W	Metalworking Machinery
3335129	MQ333W	Metalworking Machinery
333512A	MQ333W	Metalworking Machinery
3335131	MQ333W	Metalworking Machinery
3335133	MQ333W	Metalworking Machinery
3335135	MQ333W	Metalworking Machinery
3335137	MQ333W	Metalworking Machinery
3336181	MA333L	Internal Combustion Engines
3336183	MA333L	Internal Combustion Engines
3336185	MA333L	Internal Combustion Engines
3339111	MA333P	Pumps and Compressors
3339115	MA333P	Pumps and Compressors
3339121	MA333P	Pumps and Compressors
3339125	MA333P	Pumps and Compressors
3339228	MA333A	Farm Machinery and Lawn and Garden Equipment
3339237	MA333D	Construction Machinery
3339951	MA333N	Fluid Power Products
3339953	MA333N	Fluid Power Products
3339955	MA333N	Fluid Power Products
3339957	MA333N	Fluid Power Products
3339961	MA333N	Fluid Power Products
3339963	MA333N	Fluid Power Products
3339965	MA333N	Fluid Power Products
3339967	MA333N	Fluid Power Products
3339969	MA333N	Fluid Power Products
3339993	MA333N	Fluid Power Products
3339994	MA333N	Fluid Power Products
3339996	MA333N	Fluid Power Products
3339997	MA333N	Fluid Power Products
3341111	MA334R	Computers and Office Machines
3341117	MA334R	Computers and Office Machines
334111D	MA334R	Computers and Office Machines
3341121	MA334R	Computers and Office Machines
3341124	MA334R	Computers and Office Machines
3341131	MA334R	Computers and Office Machines
3341134	MA334R	Computers and Office Machines
3341191	MA334R	Computers and Office Machines
3341194	MA334R	Computers and Office Machines
3341197	MA334R	Computers and Office Machines

Product class code	CIR survey	CIR description
334119D	MA334R	Computers and Office Machines
3342101	MA334P	Communication and Other Electronic Equipment
3342104	MA334P	Communication and Other Electronic Equipment
3342107	MA334P	Communication and Other Electronic Equipment
3342201	MA334P	Communication and Other Electronic Equipment
3342202	MA334P	Communication and Other Electronic Equipment
3342901	MA334P	Communication and Other Electronic Equipment
3342902	MA334P	Communication and Other Electronic Equipment
3342903	MA334P	Communication and Other Electronic Equipment
3343101	MA334M	Consumer Electronics
3343102	MA334M	Consumer Electronics
3343105	MA334M	Consumer Electronics
3343104	MA334M	Consumer Electronics
3344111	MA334Q	Semiconductors and Electronic Components
3344114	MA334Q	Semiconductors and Electronic Components
3344117	MA334Q	Semiconductors and Electronic Components
3344120	MA334Q	Semiconductors and Electronic Components
3344131	MA334Q	Semiconductors and Electronic Components
3344134	MA334Q	Semiconductors and Electronic Components
3344137	MA334Q	Semiconductors and Electronic Components
334413A	MA334Q	Semiconductors and Electronic Components
3344140	MA334Q	Semiconductors and Electronic Components
3344150	MA334Q	Semiconductors and Electronic Components
3344160	MA334Q	Semiconductors and Electronic Components
3344171	MA334Q	Semiconductors and Electronic Components
3344174	MA334Q	Semiconductors and Electronic Components
3344177	MA334Q	Semiconductors and Electronic Components
334417A	MA334Q	Semiconductors and Electronic Components
334417D	MA334Q	Semiconductors and Electronic Components
3344184	MA334Q	Semiconductors and Electronic Components
334418B	MA334Q	Semiconductors and Electronic Components
3344191	MA334Q	Semiconductors and Electronic Components
3344194	MA334Q	Semiconductors and Electronic Components
3344197	MA334Q	Semiconductors and Electronic Components
334419A	MA334Q	Semiconductors and Electronic Components
334419E	MA334Q	Semiconductors and Electronic Components
3345101	MA334S	Electromedical and Irradiation Equipment
3345103	MA334S	Electromedical and Irradiation Equipment
3345111	MA334B	Measurement Instruments and Related Products
3345113	MA334B	Measurement Instruments and Related Products
3345120	MA334B	Measurement Instruments and Related Products
3345130	MA334B	Measurement Instruments and Related Products
3345141	MA334B	Measurement Instruments and Related Products
3345143	MA334B	Measurement Instruments and Related Products
3345145	MA334B	Measurement Instruments and Related Products
3345151	MA334B	Measurement Instruments and Related Products
3345153	MA334B	Measurement Instruments and Related Products
3345155	MA334B	Measurement Instruments and Related Products
3345160	MA334B	Measurement Instruments and Related Products
3345170	MA334S	Electromedical and Irradiation Equipment
3345192	MA334B	Measurement Instruments and Related Products
3345194	MA334B	Measurement Instruments and Related Products
3345195	MA334B	Measurement Instruments and Related Products
3345197	MA334B	Measurement Instruments and Related Products
3345199	MA334B	Measurement Instruments and Related Products
3346130	MA334R	Computers and Office Machines
3352111	MA335E	Electric Housewares and Fans
3352115	MA335E	Electric Housewares and Fans
3352122	MA335F	Major Household Appliances
3352211	MA335F	Major Household Appliances
3352213	MA335F	Major Household Appliances
3352215	MA335F	Major Household Appliances
3352221	MA335F	Major Household Appliances
3352222	MA335F	Major Household Appliances
3352223	MA335F	Major Household Appliances
3352240	MA335F	Major Household Appliances
3352281	MA335F	Major Household Appliances
3352283	MA335F	Major Household Appliances
3352285	MA335F	Major Household Appliances
3353115	MQ335C	Fluorescent Lamp Ballasts
3353121	MA335H	Motors and Generators
3353123	MA335H	Motors and Generators
3353125	MA335H	Motors and Generators
3353127	MA335H	Motors and Generators
3353129	MA335H	Motors and Generators
335312A	MA335H	Motors and Generators
335312C	MA335H	Motors and Generators
3353131	MA335A	Switchgear and Industrial Controls
3353133	MA335A	Switchgear and Industrial Controls
3353135	MA335A	Switchgear and Industrial Controls
3353137	MA335A	Switchgear and Industrial Controls
3353139	MA335A	Switchgear and Industrial Controls
335313A	MA335A	Switchgear and Industrial Controls
3353141	MA335A	Switchgear and Industrial Controls
3353143	MA335A	Switchgear and Industrial Controls
3353147	MA335A	Switchgear and Industrial Controls
3359210	MA335J	Insulated Wire and Cable
3359291	MA335J	Insulated Wire and Cable
335929A	MA335J	Insulated Wire and Cable
335929B	MA335J	Insulated Wire and Cable
335929C	MA335J	Insulated Wire and Cable
335929D	MA335J	Insulated Wire and Cable
335929E	MA335J	Insulated Wire and Cable
3359311	MA335K	Wiring Devices and Supplies
3359313	MA335K	Wiring Devices and Supplies
3359315	MA335K	Wiring Devices and Supplies
3359317	MA335K	Wiring Devices and Supplies
3359319	MA335K	Wiring Devices and Supplies
335931B	MA335K	Wiring Devices and Supplies
3359321	MA335K	Wiring Devices and Supplies

Product class code	CIR survey	CIR description
3359323	MA335K	Wiring Devices and Supplies
3359326	MA335K	Wiring Devices and Supplies
3359997	MA334P	Communication and Other Electronic Equipment
335999A	MA334P	Communication and Other Electronic Equipment
335999B	MA334P	Communication and Other Electronic Equipment
335999F	MA334P	Communication and Other Electronic Equipment
336322D	MA334Q	Semiconductors and Electronic Components
3363917	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
336391B	MA333M	Refrigeration, Air Conditioning, and Warm Air Heating Equipment
3364113	M336G	Civil Aircraft and Aircraft Engines
3364123	M336G	Civil Aircraft and Aircraft Engines
3391118	MA334B	Measurement Instruments and Related Products
3399427	MA334R	Computers and Office Machines

Appendix G.

Product Classes Primary to More Than One Industry

Product class code	Product class description
311611G 3116121	Pork, processed or cured, not canned or made into sausage Pork, processed or cured, not canned or made into sausage, made in slaughtering plants Pork, processed or cured, not canned or made into sausage, made from purchased carcasses
311611J 3116124	Sausage and similar products, except canned Sausage and similar products, except canned, made in slaughtering plants Sausage and similar products, except canned, made from purchased carcasses
311611M 3116127	Canned meats (except dog, cat, and baby food) Canned meats (except dog, cat, and baby food), made in slaughtering plants Canned meats (except dog, cat, and baby food), made from purchased carcasses
311211A 3118220	Prepared flour mixes (including refrigerated and frozen doughs and batters) Prepared flour mixes (including refrigerated and frozen doughs and batters), made in flour mills Prepared flour mixes (including refrigerated and frozen doughs and batters), made from purchased flour
3113204 3113301 3113302	Chocolate and chocolate-type confectionery products Chocolate and chocolate-type confectionery products, made from cacao beans Chocolate and chocolate-type confectionery products, made from purchased chocolate, not retailed at manufacturing establishment Chocolate and chocolate-type confectionery products, made from purchased chocolate, retailed at manufacturing establishment
3131125 3252210 3252221 3252224 3252227 325222A	Textured, crimped, and bulked filament yarns Textured, crimped, and bulked filament yarns, including stretch yarn, made from purchased filament yarn Rayon, acetate, and lyocell manufactured fibers Nylon and other polyamide manufactured fibers Polyolefin manufactured fibers Polyester manufactured fibers Other manufactured noncellulosic fibers (excluding glass, carbon, and graphite)
3132109 3133111	Finished cotton broadwoven fabrics Finished cotton broadwoven fabrics, finished in weaving mills Finished cotton broadwoven fabrics, finished in finishing mills
313210D 3141293 3141291 3141295 3141296	Fabricated textile products Fabricated textile products, made in weaving mills Sheets and pillowcases, made from purchased materials Bedspreads, made from purchased materials Towels and washcloths, made from purchased materials Other household furnishings, made from purchased materials
313210P 3133115	Finished manmade fiber and silk broadwoven fabrics Finished manmade fiber and silk broadwoven fabrics, finished in weaving mills Finished manmade fiber and silk broadwoven fabrics, finished in finishing mills
3151917 3152231	Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts) Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made in knitting mills Men's and boys' knit dress and sport shirts (including polo, tank tops, sweat and t-shirts), made from purchased fabrics
3151921 3152210	Men's and boys' knit underwear, nightwear, and robes (including thermal, undershirts, undershorts and briefs, and woven boxer shorts) Men's and boys' knit underwear, nightwear, and robes (including thermal, undershirts, undershorts and briefs, and woven boxer shorts), made in knitting mills Men's and boys' knit underwear, nightwear, and robes (including thermal, undershirts, undershorts and briefs, and woven boxer shorts), made from purchased fabrics
3151924 3152311 3152313 3152315 3152318 3152319 3152910	Women's, girls', and infants' knit underwear and nightwear Women's, girls', and infants' knit underwear and nightwear, made in knitting mills Women's and girls' underwear, except foundation garments, made from purchased fabrics Women's and girls' nightwear, except robes, made from purchased fabrics Women's and girls' brassieres, bra-lettes, and bandeaux, made from purchased fabrics Women's and girls' corsets (except surgical), girdles, and combinations, made from purchased fabrics Women's and girls' robes and dressing gowns, made from purchased fabrics Infants' apparel, made from purchased fabrics
315191G 3159921 3159923 3159925	Gloves and mittens Gloves and mittens, made in knitting mills Gloves and mittens, made from purchased fabrics Gloves and mittens, leather-and-fabric combinations, made from purchased leather and fabrics Gloves and mittens, all leather, made from purchased leather
3211131 3219121	Hardwood lumber Hardwood lumber, made in sawmills Hardwood lumber, made from purchased lumber
3211133 3219123	Softwood lumber Softwood lumber, made in sawmills Softwood lumber, made from purchased lumber
322121K 3222912	Disposable diapers and similar disposable products Disposable diapers and similar disposable products, made in paper mills Disposable diapers and similar disposable products, made from purchased sanitary paper stock or wadding
322121N 3222915	Sanitary tissue paper products Sanitary tissue paper products, made in paper mills Sanitary tissue paper products, made from purchased sanitary paper stock or wadding
324110G 3241910	Petroleum lubricating oils and greases Petroleum lubricating oils and greases, made in a refinery Petroleum lubricating oils and greases, made from refined petroleum
324110P 3251104	Liquefied refinery gases (aliphatics) Liquefied refinery gases (aliphatics), made in a refinery Liquefied refinery gases (aliphatics), made in petrochemical plants
324110T 3251101	Aromatics (benzene, toluene, xylene, etc.) Aromatics (benzene, toluene, xylene, etc.), made in a refinery Aromatics (benzene, toluene, xylene, etc.), made in petrochemical plants
324110T 3241992	Other finished petroleum products, including waxes Other finished petroleum products, including waxes, made in a refinery All other petroleum and coal products, excluding coke oven products, made from refined petroleum

Product class code	Product class description
3253127 3253140	Mixed fertilizers Mixed fertilizers, made in plants which manufacture fertilizer materials Mixed fertilizers, mixing only
3272114 327215B	Other glass products Other glass products, made by flat glass producers Other glass products, made from purchased glass
3272123 3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by glass producers Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass
3272125 3272127 3272153	Machine-made pressed and blown glassware (excluding table, kitchen, art, and novelty) Machine-made pressed and blown lighting, automotive, and electronic glassware, made by glass producers All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by glass producers All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass
3272129 3272155 3311111 3241991	Handmade pressed and blown glassware Handmade pressed and blown glassware, made by glass producers Handmade pressed and blown glassware, made from purchased glass Coke oven and blast furnace products, made in steel mills Coke oven and blast furnace products, made in coke oven establishments
3311119 3312225	Steel wire, including galvanized and other coated wire Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars Steel wire, including galvanized and other coated wire, made in plants that draw wire
331111B 3312100	Steel pipes and tubes Steel pipes and tubes, made in steel mills producing semifinished shapes or plate Iron and steel pipes and tubes, made from purchased iron and steel
331111D 3312211	Cold rolled steel sheet and strip Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip Cold rolled steel sheet and strip, made from purchased steel
331111F 3312213	Cold finished steel bars and bar shapes Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes Cold finished steel bars and bar shapes, made from purchased steel
331111H 3321115	Seamless rolled ring forgings, ferrous Seamless rolled ring forgings, ferrous, made in steel mills Seamless rolled ring forgings, ferrous, made from purchased iron and steel
331111J 3321117	Open die and smith forgings (hammer and press), ferrous Open die and smith forgings (hammer and press), ferrous, made in steel mills Open die and smith forgings (hammer and press), ferrous, made from purchased iron and steel
3312221 3326181	Noninsulated ferrous wire rope, cable, forms, and strand Noninsulated ferrous wire rope, cable, forms, and strand, made in plants that draw wire Noninsulated ferrous wire rope, cable, forms, and strand, made from purchased wire
3312223 3326189	Steel nails, staples, tacks, spikes, and brads Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire Steel nails, staples, tacks, spikes, and brads, made from purchased wire
3312227 3326187	Steel fencing and fence gates Steel fencing and fence gates, made in plants that draw wire Steel fencing and fence gates, made from purchased wire
3312229 3326183	Ferrous wire cloth and other ferrous woven wire products Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire Ferrous wire cloth and other ferrous woven wire products, made from purchased wire
331222B 332618B	Other ferrous wire products (excluding springs) Other ferrous wire products (excluding springs), made in plants that draw wire Other ferrous wire products (excluding springs), made from purchased wire
3313120 3313142 331319D	Aluminum ingot, including billet Aluminum ingot, including billet, made in primary aluminum reduction plants Aluminum ingot, including billet, made by secondary smelters Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum
331319E 3314224 331491F 335999B	Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic) Aluminum insulated wire and cable, made in aluminum rolling and drawing plants Copper wire and cable, including apparatus wire, cord, and flexible cord sets, made in plants that draw wire Apparatus wire and cord and flexible cord sets (except aluminum, copper, wiring harnesses and fiber optic), made in plants that draw wire Apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic), made from purchased insulated wire
3314110 3314230	Smelting and refining of copper Primary smelting and refining of copper Secondary smelting, refining, and alloying of copper
3314193 3314927	Smelting and refining of zinc Primary smelting and refining of zinc Secondary smelting, refining, and alloying of zinc
3314197 3314929	Precious metals and precious metal alloys Primary precious metals and precious metal alloys Secondary precious metals and precious metal alloys
331419A 331492B	All other miscellaneous nonferrous metals All other miscellaneous primary nonferrous metals All other miscellaneous secondary nonferrous metals

