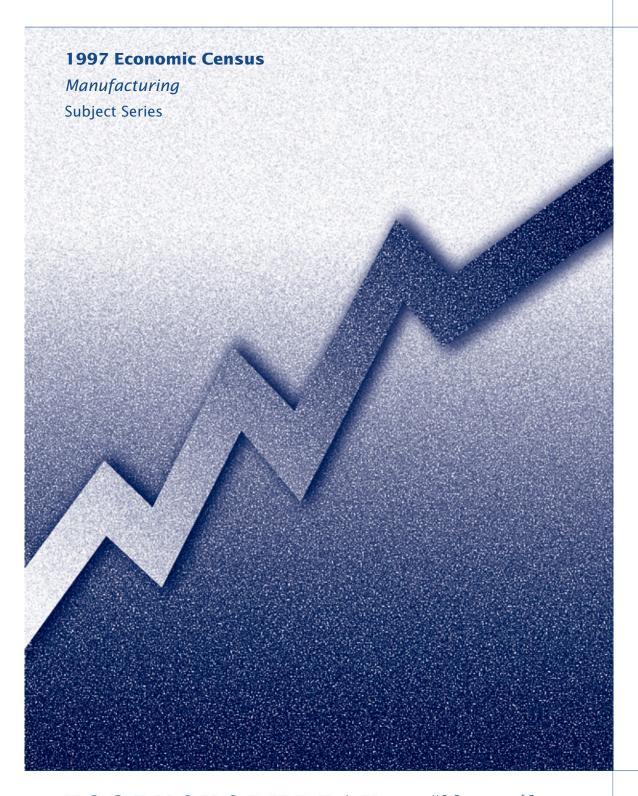
Materials Summary

1997

ssued August 2001

EC97M31S-MS



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Manufacturing
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U.S. Department of Commerce Donald L. Evans, Secretary

> Economics and Statistics Administration Kathleen B. Cooper, Under Secretary for Economic Affairs

U.S. CENSUS BUREAU William G. Barron, Jr., Acting Director



Economics and Statistics Administration Kathleen B. Cooper, Under Secretary for Economic Affairs



U.S. CENSUS BUREAU William G. Barron, Jr., Acting Director William G. Barron, Jr., Deputy Director

John H. Thompson, Principal Associate Director for Programs

Frederick T. Knickerbocker, Associate Director for Economic Programs

Thomas L. Mesenbourg, Assistant Director for Economic Programs

William G. Bostic, Jr., Chief, Manufacturing and Construction Division

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	Not applicable for this report.	

MANUFACTURING iii

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52 Finance and Insurance 53

Real Estate and Rental and Leasing 54 Professional, Scientific, and Technical Services

55 Management of Companies and Enterprises 56 Administrative and Support and Waste

Management and Remediation Services

61 **Educational Services**

Health Care and Social Assistance 62

Arts. Entertainment, and Recreation 71

72 Accommodation and Foodservices

Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 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.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division Service Sector Statistics Division

301-457-4673 301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the Guide to the 1997 Economic Census and Related Statistics at www.census.gov/econquide. More information on the methodology, procedures, and history of the censuses will be published in the History of the 1997 Economic Census at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

- Α Standard error of 100 percent or more.
- D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
- F Exceeds 100 percent because data include establishments with payroll exceeding rev-
- Ν Not available or not comparable.
- Revenue not collected at this level of detail for Q multiestablishment firms.
- S Withheld because estimates did not meet publication standards.

- V Represents less than 50 vehicles or .05 percent.
- Χ Not applicable.
- Υ Disclosure withheld because of insufficient
 - coverage of merchandise lines.
- Ζ Less than half the unit shown. 0 to 19 employees.
- a b
- 20 to 99 employees.
- 100 to 249 employees. C
- 250 to 499 employees. e
- f 500 to 999 employees.
- 1,000 to 2,499 employees. g
- h 2,500 to 4,999 employees.
- 5,000 to 9,999 employees.
- 10,000 to 24,999 employees.
- k 25,000 to 49,999 employees.
- 50,000 to 99,999 employees.
- 100,000 employees or more. m
- 10 to 19 percent estimated.
- р q 20 to 29 percent estimated.
- Revised. r
- Sampling error exceeds 40 percent.
- Not elsewhere classified. nec
- Not specified by kind. nsk
- Represents zero (page image/print only).
- (CC) Consolidated city.
- Independent city. (IC)

1997 ECONOMIC CENSUS INTRODUCTION 3 This page is intentionally blank.

Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the "all manufacturing" level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more

The state reports also include data at the "all manufacturing" level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

5

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semiindependent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. 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 in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

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 classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

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. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census - Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

NAICS	ee apperuines _j	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
11114001 11115001 11119901 11119903 11119903 31121101 31121115 31122207 31121135 31121137	311111, DOG & CAT FOOD MFG	260.8 5 485.9 13.8 11.1 S S 51.6 929.9 21.1	37 755 337 791 2 630 3 064 D 60 013 57 355 10 125 5 711 5 343	238.3 S D 4.7 36.7 3 375.5 9360.4 37.7 D N	27 245 168 736 D 1 209 5 390 27 421 34 770 7 720 D N
31122109 31111900 31131003 31131007 31122307 31100017 31161303 31161305 31170000 31212000	Corn gluten feed and meal	489.1 D S S D 463.7 P1 075.7 489.5 225.4 233.3	136 512 D 9 752 503 D 174 086 318 622 205 682 100 931 70 877	P334.3 10.5 S 2.6 D P272.1 P941.3 320.0 116.8 111.7	80 521 1 590 5 762 302 D 92 840 194 778 118 422 50 626 21 515
31122205 32518827 32518837 31194205 32518841 32541109 32541111 32541105 32221001 001900A1 31491101	Soybean cake and meal 1,000 s tons. Calcium 1,000 s tons. Phosphorus, elemental (technical) 1,000 s tons. Salt 1,000 s tons. Other minerals, except trace minerals 1,000 s tons. Vitamins 1,000 s tons. Drugs and antibiotics. Other microingredients, including trace minerals Paperboard containers, boxes, and corrugated paperboard Packaging paper and plastics film, coated and laminated. Bags, textile (burlap, cotton, polyporpylene, etc.)	627.1 P71.2 S S 20.9 X X X X	154 191 3 029 17 882 2 767 13 663 44 219 0 65 670 82 972 93 051	S S 915.2 49.0 °20.2 X X X X X	150 272 4 625 11 936 4 787 8 744 24 593 406 47 562 117 451 36 281
001900A3 32222401 33243101 00970099 00971000	Bags; plastics, foil, and coated paper Bags; uncoated paper and multiwall Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	X X X X	138 999 102 370 377 377 618 618 434 739	X X X X X	88 754 90 834 291 774 564 013 122 289
11114001 11115001 11119901 11119903 11119905 31121101 31121115 31122207 31121135 31121137	Wheat 1,000 s tons. Field corn, whole grain mill lb. Oats 1,000 s tons. Barley 1,000 s tons. Sorghum 1,000 s tons. Wheat flour 1,000 cwt. Wheat millfeed and screenings 1,000 s tons. Soybean millfeed and screenings 1,000 s tons. Other millfeed and screenings 1,000 s tons. Hominy feed and corn meal 1,000 s tons.	\$ 552.0 749.6 \$ \$ \$ \$ \$ 988.5 \$ 198.2	141 556 3 109 926 80 092 95 804 157 140 43 597 291 952 178 975 190 965 26 017	N N N N N N N N	N N N N N N N N N N N N N N N N N N N
31122109 31111900 31131003 31131007 31122307 31100017 31161303 31161305 31170000 31212000	Corn gluten feed and meal 1,000 s tons Alfalfa meal, excluding alfalfa hay 1,000 s tons Sugar, cane and beet (in terms of sugar solids) 1,000 s tons Molasses 1,000 s tons Cottonseed cake and meal 1,000 s tons Fats and oils 1,000 s tons Meat meal and tankage 1,000 s tons Poultry feather and byproducts meal 1,000 s tons Fish meal and solubles (dry weight equivalent) 1,000 s tons Brewers' and distillers' grains 1,000 s tons	424.0 274.7 \$ 767.6 \$ 1 150.5 1 130.3 P947.2 283.3 589.6	82 844 45 275 15 467 77 357 193 416 380 333 318 783 317 502 126 557 84 182	N N N N N N N N N N N N N N N N N N N	N
31122205 32518827 32518837 31194205 32518841 32541109 32541111 32541105 32221001 001900A1	Soybean cake and meal	9 580.7 S 750.1 S S X X X X	2 495 334 51 151 186 767 38 852 214 439 379 116 368 890 354 149 9 393 45 126	N N N N X X X	N N N N N N N N N N N N N N N N N N N
31491101 001900A3 32222401 33243101 00970099 00971000	Bags, textile (burlap, cotton, polyporpylene, etc.) Bags; plastics, foil, and coated paper Bags; uncoated paper and multiwall Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	8 377 39 600 65 031 567 927 326 2 042 991	X X X X X	N N N N N
11114003 11115003 11119911 11119913 11110005 31121101 32222401 31491101 00970099 00971000	311211, FLOUR MILLING Wheat mil bushels. Corn mil bushels. Barley mil bushels. Oats mil bushels. Other grains mil bushels. Wheat flour mil bushels. Wheat flour 1,000 sacks (cwt). Bags; uncoated paper and multiwall 1,000 sacks (cwt). Bags, textile (burlap, cotton, polypropylene, etc.) mil bags. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	785.0 9125.5 P1.9 D S 16 424.0 X S X	3 990 970 453 351 6 538 D D 127 929 50 478 6 106 480 517 524 213	875.9 133.9 S 32.6 913.4 23 336.2 X N X X	3 177 824 287 688 8 838 58 030 43 755 146 904 49 152 3 745 D
11116000 31491101 001900A3 32222401 001900A1 00970099 00971000	311212, RICE MILLING Rice, rough	S X X X X X	1 431 176 44 336 3 230 D D 48 540 114 497	13 455.5 X X X X X X X	795 795 21 951 2 764 4 273 14 532 N

	ee appendixesj	1997		1992	<u> </u>
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311213, MALT MFG				
11119911 00970099 00971000	Barley mil bushels	151.8 X X	493 365 7 241 6 355	128.9 X X	326 855 N D
	311221, WET CORN MILLING				
11116000 11115003 11119915 31491101 001900A3 32222401 001900A1 00970099 00971000	Rice, rough	280.7 D D X X X X X X X	160 567 3 675 049 D 2 253 D 28 373 D 481 121 14 656	1 303.1 D X X X X X X X	2 587 660 D D D 23 953 4 208 N D
	311222, SOYBEAN PROCESSING				
11111000 31122201	Soybean seeds, nuts, and beans	36 797.5 1 443.7	9 380 234 339 041	N N	N N
32220017 00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	16 107 875 330 652 135	X X X	N N N
	311223, OTHER OILSEED PROCESSING				
11192003 31122301 31122303 11119907 11119909 11199201 11100007 00970099 00971000	Cottonseed seeds, nuts, and beans	4 232.0 D D D D D D D X X	580 883 D D D D D D D D D 189 974 57 794	N N N N N N N N N N N N N N N N N N N	
	311225, FATS & OILS REFINING & BLENDING				
31161115 31161105 31122301 31122303 31122001 31122201 31122203 31122123 31122123	Lard. mil lb. Tallow and stearin, edible mil lb. Crude cottonseed oil mil lb. Once-refined cottonseed oil mil lb. Fully-refined cottonseed oil mil lb. Crude soybean oil mil lb. Once-refined soybean oil mil lb. Fully-refined soybean oil mil lb. Crude corn oil mil lb. Once-refined corn oil mil lb.	191.2 154.6 164.9 163.3 117.8 7 411.2 D P3 165.9 203.4 49.9	48 020 35 472 49 865 43 733 31 948 1 766 045 D 824 123 54 045 14 211	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
31122127 31122309 31122311 31122005	Fully-refined corn oil	169.0 91 160.9 210.6 9245.5	51 957 280 519 75 170 87 675	N N N	N N N N
32220017 32610029 32721301 3324000 00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Plastics containers Glass containers Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	113 654 282 188 D 13 224 1 259 628 254 598	X X X X X	N N N N N
	311230, BREAKFAST CEREAL MFG				
11114003 11119913 11115003 11119911 11116000 11110003 31121119 31121121 31121121 3112133	Wheat mil bushels. Oats mil bushels. Corn mil bushels. Barley mil bushels. Rice, rough mil bushels. Other grains mil bushels. Corn grits mil bushels. Corn meal and flakes mil lb. Wheat flour mil lb. Flour, other than wheat mil lb.	910.9 S D S 321.5 S 419.5 S S P723.1	72 079 103 950 D 9 606 60 911 6 291 47 170 58 408 38 350 100 307	2	N N N N N N N N N N N N N N N N N N N
31121131 31131005 31131009 31100015 31142307 31142313 31191103 31191103 311900A3 32222401 32221001 00970099 00971000	Prepared four mixes	D 608.9 95.3 87.4 S S 31.0 X X X X	D 339 926 19 516 38 940 69 555 23 401 11 389 40 234 152 376 74 363 D 484 114 455 361 47 954	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2222222222
	311311, SUGARCANE MILLS				
11193000 00970099 00971000	Sugar cane	24 105.3 X X	673 500 115 633 41 374	23 984.2 X X	771 726 N D

NAICS	е арренияся	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
31131100 32221001 001900A1 001900A3 32222401 00970099 00971000	311312, CANE SUGAR REFINING Raw cane sugar (converted to 96 percent basis)	5 972.2 X X X X X X X	2 398 421 D 69 230 D D 57 233 2 488	P4 664.3 X X X X X X	1 869 940 D 32 122 D D N D
11199100 32221001 001900A1 001900A3 32222401 00970099 00971000	311313, BEET SUGAR MFG Sugar beets	s x x x x x	1 312 943 7 184 7 911 3 465 10 615 219 843	27 617.7 X X X X X X	1 188 071 7 560 7 222 D D N N
31122117 11100003 31191101 11100029 31150000 31122103 31122119	311320, CHOCOLATE & CONFECTIONERY MFG FROM CACAO BEANS Crystalline fructose (dry fructose)	.7 D D P6.4 X D	348 D D 7 825 118 225 D	N D P5.2 D X 66.2	N D 6 083 D 172 389 8 247
32510053 31131003 31100021 31132003 31132005 11132007 31132009 32510063 001900A1 32291001 3221001 32610029 32721301 33243101 00970099 00971000	weight)	105.7 D 474.1 986.9 199.9 33.8 408.7 48.2 P146.5 X X X X X X X X	13 750 D 193 072 43 972 193 009 61 148 410 602 33 854 265 459 14 849 69 787 16 784 68 586 D D 1 1 6111 83 561 88 775	75.1 S S 537.2 87.2 29.1 68.8 310.2 65.7 111.3 X X X X X X X	9 255 1 152 212 834 39 007 29 395 75 763 368 416 48 271 168 421 15 806 57 142 D 42 133 20 292 D 16 421 N
11100003 31191101 11100029 00190045 31150000 31122103 31122117 31122119 32510053 31131003 31132003 31132005 11130007 31132007 31132007 31132007 31132007 31132007 3132007	311330, CONFECTIONERY MFG FROM PURCHASED CHOCOLATE Nuts, in shell (including peanuts)	D 158.3 42.1 8.9 X 41.1 1.1 402.0 1.6 739.5 277.6 88.6 D 920.1 D X X X X X X	D 165 851 40 436 12 116 293 549 6 781 474 53 949 1 455 318 574 32 171 335 550 138 566 D 14 845 D 19 754 315 796 23 826 191 175 18 481 530 9 281 217 329 298 479	N N N N N N N N N N N N N N N N N N N	ZZZZZZ ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
11100003 31191101 11100029 00190045 31122103 31122119 32510053 31131003 31100021 31132007 31132007 31132007 31134003 32510063 001900A1 32299901 32221001	Satisfactor Superior Superi	P.7 19.6 13.7 P19.2 X P171.7 S 915.5 39.5 676.3 42.8 3.6 2.8 X X X	890 21 259 14 527 19 627 32 894 19 480 1 237 117 668 63 597 287 175 21 237 7 382 2 855 D 110 673 196 083 30 492 150 897	N N N N N N N N N N N N N N N N N N N	

NAICS		19	97	19	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311340, NONCHOCOLATE CONFECTIONERY MFG—Con.				
32610029 32721301 33243101 11115007 31100019 001900A3 32222401 00970099 00971000	Plastics containers Glass containers Metal cans, can lids and ends Popcorn, whole grain Fats and oils, all types (purchased as such) Bags; plastics, foil, and coated paper Bags; uncoated paper and multiwall All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k	X X X - - X X X	24 924 9 789 5 303 D 0 397 754 153 399	X X X N N X X X	2222222222
	311411, FROZEN FRUIT, JUICE, & VEGETABLE MFG				
32222401 11131000 11133300 11133300 11130005 11121901 11121100 11121905 11121903 11100013	Bags; uncoated paper and multiwall Fresh oranges 1,000 s tons Fresh apples 1,000 s tons Fresh strawberries 1,000 s tons Other fresh fruits 1,000 s tons Fresh green peas 1,000 s tons White potatoes 1,000 s tons Fresh sweet corn 1,000 s tons Fresh green (snap) or wax beans 1,000 s tons Other fresh vegetables 1,000 s tons	X P3 215.2 270.8 P152.4 723.0 P166.5 5 793.5 1 027.3 234.8 2 229.8	3 055 616 193 63 619 97 177 199 237 40 750 597 673 76 985 53 660 584 537	X 93 051.2 279.9 117.1 863.6 188.5 6 631.9 896.9 188.6 91 106.5	N 643 106 65 579 80 135 233 706 47 622 646 272 62 831 43 005 293 485
31141101 31141103	Frozen fruits (for further processing) mil lb. Frozen vegetables (for further processing)	282.0 626.9	261 641 267 862	190.9 9491.3	164 109 194 465
31151303 31131003 31121101 31100019 31142105 00190032 31161000 33299901	Cheese, natural and process, including (imitation cheese and cheese substitutes)	25.2 55.0 268.5 582.6 D D X	39 420 27 349 6 272 173 611 D D D	17.3 63.2 S P418.2 .8 2.4 2.6 X	26 111 30 485 9 581 115 597 274 2 994 3 045 7 502
001900A1 001900A3 32221001 33243101 00970099 00971000	Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper Paperboard containers, boxes, and corrugated paperboard Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	110 869 27 357 324 831 66 417 505 564 282 200	x x x x x	71 893 19 589 264 773 105 203 N D
	311412, FROZEN SPECIALTY FOOD MFG				
32222401 11131000 11133100 11133300 11130005 11121901 11121100 11121905 11121903 11100013	Bags; uncoated paper and multiwall Fresh oranges 1,000 s tons Fresh apples 1,000 s tons Fresh strawberries 1,000 s tons Other fresh fruits 1,000 s tons Fresh green peas 1,000 s tons White potatoes 1,000 s tons Fresh sweet corn 1,000 s tons Fresh green (snap) or wax beans 1,000 s tons Other fresh vegetables 1,000 s tons	X D D 29.1 D 869.3	17 412 D D D 13 161 D 235 363	X D D N D 42.3 D N 1 081.5	N D N D 13 434 D N 237 748
31141101 31141103	Frozen fruits (for further processing)	35.3 427.4	29 343 194 630	36.0 402.1	23 511 171 184
31151303 31131003 31121101 31100019 31142105 00190032 31161000 33299901	Cheese, natural and process, including (imitation cheese and cheese substitutes) Sugar, cane and beet (in terms of sugar solids) Wheat flour Fats and oils, all types (purchased as such) Tomato paste (24 percent NTSS equivalent) Poultry; live, fresh, frozen, or prepared Meat; fresh, frozen, or prepared Mil b Aluminum foil packaging products, converted or rolls and sheets	523.2 P48.5 10 475.3 284.1 278.3 S 637.1 X	652 055 25 483 190 979 106 261 102 400 345 246 651 146 23 931	349.1 32.5 10 218.6 259.0 176.2 505.9 438.3	417 449 18 927 138 189 76 734 67 344 367 936 527 231 13 643
001900A1 001900A3 32221001 33243101 00970099 00971000	Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper. Paperboard containers, boxes, and corrugated paperboard Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	199 393 39 986 397 876 6 271 919 387 232 488	X X X X X	83 866 34 220 375 677 9 094 N
11131000	311421, FRUIT & VEGETABLE CANNING Fresh oranges	3 270.5	603 735	1 635.0	282 658
11133100 11133901 11133200 11133903 11133905 11133907 11132000 11130003 11121901	Fresh apples	P1 513.4 979.3 375.6 599.9 466.4 D 343.1 391.2 237.7	249 173 25 516 81 232 143 777 102 158 D 61 220 220 120 61 498	1 194.8 46.5 511.1 559.9 428.2 351.0 0 385.7 303.4	176 452 12 685 93 705 132 101 95 660 57 560 D 186 868 79 887
11121100 11100001 11121907 11121905 11121903 31131003 31122103 31122117 31122119	White potatoes 1,000 s tons. Other fresh vegetables 1,000 s tons. Fresh tomatoes 1,000 s tons. Fresh sweet corn 1,000 s tons. Fresh green (snap) or wax beans 1,000 s tons. Sugar, cane and beet (in terms of sugar solids) 1,000 s tons. High fructose corn syrup (HFCS)(in terms of solids) mil lb. Crystalline fructose (dry fructose) mil lb. Dextrose and corn syrup, including corn syrup solids (in terms of dry	163.3 P656.6 11 055.9 1 917.1 P564.0 P166.8 890.1 83.7	19 293 136 964 653 265 134 632 94 528 75 734 125 530 12 370	118.7 N 8 220.2 1 864.7 528.3 N 870.7 77.5	14 689 N 520 022 142 954 86 729 N 119 550 11 750
31161003	weight) mill lb. Fresh, frozen, and prepared meats mill lb.	595.5 S	72 283 33 858	651.5 1 157.3	71 174 33 658

	ee appendixes]	1997	,	1992	<u> </u>
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
31161500 31142311 31142103 31141105 31142105 31121101 31100019 32310000 00190003 32221001 33243101 32721301 32721301 32721301 32721301 32721301 309770099 001900A3 009771000	311421, FRUIT & VEGETABLE CANNING—Con. Dressed poultry purchased for processing (cooking, smoking, canning, rawboning, freezing, dehydrating)	D 28.0 129.2 677.1 654.5 968.2 128.1 X X X X X X X X X X X X X X X X X X X	D 23 133 604 316 381 832 221 026 1 512 38 794 106 400 217 857 329 451 1 179 260 556 879 223 078 11 604 1 152 987 393 122	D N P140.6 N S67.6 D N X X X X X X X X X X X X X X X X X X	D N 635 126 154 D N 229 154 D N 87 697 99 191 N N 1 221 148 N N N N N N N N N N N N N N N N N N N
11131000 11133100 11133901 11133200 11133903 11133905 11133907 11132000 11130003 11121901	311422, SPECIALTY CANNING Fresh oranges 1,000 s tons. Fresh apples 1,000 s tons. Fresh apricots 1,000 s tons. Fresh grapes 1,000 s tons. Fresh peaches 1,000 s tons. Fresh piears 1,000 s tons. Fresh pineapples 1,000 s tons. Fresh grapetruit 1,000 s tons. Other fresh fruits 1,000 s tons. Fresh green peas 1,000 s tons.	83.6 D 13.7 D 11.9	15 095 	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N
11121100 11100001 11121907 11121905 11121903 31131003 31122103 31122117 31122119 31161003	White potatoes	115.9 366.1 119.0 D 38.3 P31.9 115.0 D	17 130 119 087 25 098 D 8 535 17 344 14 814 D	22 22 22 22 22 22 22 22 22 22 22 22 22	N
31161500 31142311 31142103 31141105 31142105 31121101 31100019 32310000 00190003 32221001 33243101 32721301 00970099 00971000	Dressed poultry purchased for processing (cooking, smoking, canning, rawboning, freezing, dehydrating) Dried fruits and beans Concentrated fruit juices Frozen fruits and vegetables (for further processing) Iniliable Tomato paste (24 percent NTSS equivalent) Iniliable Tomato paste (24 percent NTSS equivalent) Iniliable Tomato paste (24 percent NTSS equivalent) Iniliable Inil	84.2 212.0 D 167.6 338.7 3 617.8 102.4 X X X X X X	128 002 119 881 D 68 729 139 781 25 881 35 014 65 827 41 000 114 759 571 261 175 658 496 435 134 496	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
31121113 31121107 32721301 31100019 11121909 11100011 11130001 31142301 31122101 31131003 001900A1 001900A3 32221001 00970099 00971000	311423, DRIED & DEHYDRATED FOOD MFG Other wheat flour (including farina)	1 317.0 D X 108.4 D 8 195.6 247.5 337.1 D 14.5 X X X	20 934 D D D D 26 962 D 303 143 54 406 349 377 D 7 301 81 822 25 215 64 905 444 107 74 883	2	222222222222222222222222222222222222222
11212000 31151101 31151103 31151200 31151407 31151407 31152001 31152003 31152005 31152007 31100019 31122103	Waterias, ingredients, containers, and supplies, it.s.k. 311511, FLUID MILK MFG Whole milk	P622.1 952.4 96.4 S 9177.6 P149.3 5.9 P16.2 .7 11.4 S 960.4 P908.1	8 790 146 642 487 390 102 10 302 90 553 153 852 8 661 40 123 1 035 21 836 10 930 20 024 103 406	631.6 P14.4 4.7 S 215.4 910.1 P20.0 3.5 P5.5 P2.1 P70.1 P737.6	9 263 061 220 159 265 794 24 580 80 873 115 812 11 480 46 358 5 468 10 796 5 347 25 057 88 061
31122117 31122119 31131003 31151403 00190035 31132001 00190036	Crystalline fructose (dry fructose) Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) Sugar, cane and beet (in terms of sugar solids) Sugar, cane and beet (in terms of sugar solids) Super, liquid, concentrated, dried, and modified whey products mill b. Casein and caseinates Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.) Flavorings (natural, imitation, etc.), except chocolate	17.0 P136.0 9194.9 P244.0 S	4 073 23 785 73 916 64 544 D 54 636 334 655	P18.7 P153.7 185.7 9105.2 S P73.1	3 216 21 275 68 479 39 982 7 189 54 971 272 849

NAICS	ac appertuixes _j	199	7	199	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
32521105	311511, FLUID MILK MFG—Con. Plastics resins consumed in the form of granules, pellets, powders, liquids,				<u></u>
001900A1 001900A3 32610013	etc. mil lb. Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper. Plastics products consumed in the form of sheets, rods, tubes, film, and	P466.4 X X	195 813 247 045 24 757	P514.3 X X	176 804 139 881 23 247
32721301 32610029 32221001 33243101 31152009 00970099 00971000	other shapes Glass containers Plastics containers Paperboard containers, boxes, and corrugated paperboard Metal cans, can lids and ends Ice cream mix, nonfat All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X D X	49 192 2 974 393 716 495 779 17 761 D 762 897 656 052	X X X X N X	27 021 4 146 337 320 504 283 22 221 N D
11212000 31151103 31151200 31151401 001900A1 32610029 32221001 00970099 00971000	311512, CREAMERY BUTTER MFG Whole milk mil cwt Cream mil cwt Butter mil lb. Condensed and evaporated milk mil lb. Packaging paper and plastics film, coated and laminated Plastics containers Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	207 621 630 598 127 855 D 16 689 D 17 150 71 578 6 379	7.3 56.9 S X X X X	87 885 571 824 45 052 1 416 6 229 5 015 13 029 N 5 372
11212000	311513, CHEESE MFG Whole milk mil cwt .	^q 599.5	8 200 658	P505.9	6 489 880
31151101 31151103 31151200 31151401 31151407 31151301 31100019 31122103 31122117	Fluid skim milk	S 912.7 S S S 289.7 P2 698.0 S 24.3	79 656 352 642 43 506 62 619 334 242 3 862 226 84 931 3 646 D	2.1 S 7.3 P141.6 121.8 2 347.9 61.7 D	38 739 89 517 8 071 75 231 112 148 3 080 411 30 099 D
31122119 31131003	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight)	P4.9	1 233 4 707	D 910.5	D 3 776
31151003 31151403 00190035 31132001	Sugar, cane and beet (in terms of sugar solids)	15.6 9579.6 P59.5	148 594 136 576	P387.1 59.1	80 470 118 468
00190036 32521105	flavoring, etc.) mil lb. Flavorings (natural, imitation, etc.), except chocolate	D X	D 142 866	1.6 X	1 156 82 262
001900A1 001900A3 32610013	etc. mil lb. Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes.	X X X	D 178 023 95 167 19 771	1.3 X X	430 115 858 37 722 17 227
32721301 32610029 32221001 33243101 00970099 00971000	Glass containers Plastics containers Paperboard containers, boxes, and corrugated paperboard Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	19 642 71 701 207 287 31 825 581 829 287 056	X X X X X	D 26 965 138 884 42 114 N 861 372
	311514, DRY, CONDENSED, & EVAPORATED DAIRY PRODUCT MFG				
11212000 31151101 31151103 31151200 31151401 31151407 31151301 31100019 31122103 31122117	Whole milk mil cwt Fluid skim milk mil cwt Fluid skim milk mil cwt. Fluid skim milk mil cwt. Cream mil cwt. Butter mil tot. State milk mil lb. Condensed and evaporated milk mil lb. Dry milk mil lb. Natural cheese, other than cottage cheese mil lb. Natural cheese, other than cottage cheese mil lb. Fats and oils, all types (purchased as such) mil lb. High fructose corn syrup (HFCS)(in terms of solids) mil lb. Crystalline fructose (dry fructose) mil lb.	148.2 \$ 93.0 \$ P220.0 324.5 221.6 9243.5 9309.8 P29.0	1 982 391 17 992 141 379 98 523 144 889 278 401 107 353 90 857 43 822 8 069	129.2 S 2.6 D P313.3 283.7 P79.6 P235.4 9113.4 6.6	1 559 042 85 846 115 995 D 125 833 236 419 46 144 78 472 13 828 1 646
31122119 31131003 31151403 00190035	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight)	P268.2 179.9 1 404.0 P125.1	43 011 89 660 113 898 244 355	208.6 153.4 P1 095.5 95.9	31 277 71 392 133 737 150 440
31132001 00190036 32521105	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	24.6 X	16 500 57 953	26.9 X	17 355 54 970
001900A1 001900A3 32610013	etc. mil lb. Packaging paper and plastics film, coated and laminated. Bags: plastics, foil, and coated paper. Plastics products consumed in the form of sheets, rods, tubes, film, and	914.0 X X X	7 189 58 473 36 090 18 511	D X X	D 30 131 24 641 11 599
32721301	other shapes	х	24 675	×	23 293
32610029 32221001 33243101 00970099 00971000	Plastics containers Paperboard containers, boxes, and corrugated paperboard Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	41 396 90 163 172 190 676 088 158 646	X X X X	30 025 87 832 X N D

NAICS	е арренилес)	199	97	199)2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
11212000	311520, ICE CREAM & FROZEN DESSERT MFG	917.6	248 770	P22.1	294 985
31151101 31151103 31151200 31151401 31151407 31152001 31152003 31152005 31152007	Whole milk	9.4 9.4 174.1 937.8 937.8	61 389 434 730 7 924 132 673 64 246 107 222 18 758 7 486 13 182	5.3 5.3 1.9 261.8 85.4 47.5 3.9 5.1	294 965 59 817 321 135 1 718 123 863 57 676 123 592 8 139 13 931 9 176
31100019 31122103 31122117 31122119	Fats and oils, all types (purchased as such) mill b. High fructose corn syrup (HFCS)(in terms of solids) mill b. Crystalline fructose (dry fructose) mill b.	D 295.6 D	D 37 547 D	6.3 P284.4 1.9	3 207 46 174 251
31131003 31151403 00190035 31132001	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) Sugar, cane and beet (in terms of sugar solids) Ney, liquid, concentrated, dried; and modified whey products mill b. Casein and caseinates mill b. Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate	330.9 P248.5 S S	47 182 113 403 13 675 1 943	P269.1 236.5 971.0 .8	32 842 91 964 20 365 817
00190036 32521105	flavoring, etc.)	P120.3 X	101 650 268 908	108.0 X	95 138 284 629
001900A1 001900A3 32610013	etc. mil lb. Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper	76.6 X X	24 773 153 920 12 767	P62.6 X X	16 146 69 943 30 306
32610029 32221001 31152009 00970099 00971000	other shapes Plastics containers Paperboard containers, boxes, and corrugated paperboard lee cream mix, nonfat All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X 1.8 X	4 454 33 493 342 526 4 994 267 707 284 564	X X X N X	6 589 32 271 338 507 N N 222 700
11211003 11211001 11211007 11211005 11221003 11221001 11241005 11241003 31161107 31161109	311611, ANIMAL (EXCEPT POULTRY) SLAUGHTERING Cattle slaughtered (number of head)	30 290.5 60 963.5 900.3 287.3 978 804.5 1 504.1 D 1 851.1 S 1 S	22 722 567 S 360 461 X 10 557 429 D 182 409 D 1 524 582 41 142	31 068.3 35 747.9 578.1 174.5 86 308.4 21 511.9 3 568.5 9549.2 585.3 917.2	25 650 825 X 243 797 X 9 676 967 X 288 796 X 481 527 15 626
31161113 31161111 31161101 31161103 00190032 31161119 31194201 31161200 001900A1 32221001 32610023 00970099 00971000	Fresh and frozen pork	9667.0 S P86.5 S D X X X X X X X X X X X X X X X X X X X	584 868 109 432 42 443 9 701 D D 123 672 15 883 784 422 420 026 177 164 1 395 844 2 182 914	P701.7 31.8 42.7 34.0 20.9 X X X X X X X X	433 381 27 102 17 442 28 926 24 791 57 129 22 991 69 743 23 226 N N 48 980 N
11211001	311612, MEAT PROCESSED FROM CARCASSES Cattle slaughtered (live weight)	D	D	N	N
11211005 11211003 11241005 11241003 11221003 11221001 11211007 31161107 31161109	Calves slaughtered (live weight) Catlet slaughtered (live weight) Catlet slaughtered (number of head) Sheep and lambs slaughtered (number of head) Sheep and lambs slaughtered (live weight) Hogs slaughtered (number of head) Hogs slaughtered (number of head) Hogs slaughtered (number of head) Tipolomy India broad to the weight) India broad to the weight of head India broad to the weight of head India broad head In	3 011.9 5.2 D 180.5 266.7 51 537.8 D 4 183.0 929.1	1 356 D X 29 536 X D 4 430 259 54 293	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N N N N N N N N N N N N N N N N N N N
31161113 31161111 31161101 31161107 31161103 00190032 31194201 31161119 31161200 32610023 32221001 001900A1 00970099 00971000	Fresh and frozen pork mil lb Other fresh and frozen red meats mil lb. Meat materials for sausage and canning not separable by species mil lb. Processed pork (cured, smoked, etc.) mil lb. Other purchased meat materials (cured beef, cured lamb, etc.) mil lb. Poultry; live, fresh, frozen, or prepared Spices and curing materials Hides, skins, and pelts. Animal and collagen casings Synthetic casings, including cellulosic and fibrous reinforced Paperboard containers, boxes, and corrugated paperboard Packaging paper and plastics film, coated and laminated All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k	P4 433.2 144.0 147.4 313.0 96.0 X X X X X X X X X	3 922 321 145 615 333 141 366 003 116 692 557 482 435 159 D 88 157 201 849 307 916 349 124 514 753 2 292 861	N N N N N N N N N N N N N N N N N N N	222222222222222222222222222222222222222
31122123	311613, RENDERING & MEAT BYPRODUCT PROCESSING Crude corn oil	D	D	N	N
3112115 31122303 31122203 31122201 31122309 31122005 31122003 31161105 32220017	Under Control Lard.	xx	1 397 D	N N N N N N N N N N	222222222222222222222222222222222222222

NAICS		19	97	19	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311613, RENDERING & MEAT BYPRODUCT PROCESSING— Con.				
33240000 00970099 00971000	Metal containers	X X X	1 287 761 467 247 013	× × ×	N N N
	311615, POULTRY PROCESSING				
11232001 11232003 11233000 11239000	Young chickens slaughtered (including commercial broilers)	P27 436.0 q1 394.8 5 829.3	9 035 445 188 263 2 541 364	N N N	N N N
31161500	etc.). Dressed poultry purchased for processing (cooking, smoking, canning, rawboning, freezing, dehydrating). Shell eggs	7 114.5	17 523 3 361 556	X N	N N
11231005 32221001	Paperboard containers, boxes, and corrugated paperboard	S X	12 614 493 445	N X	N N
001900A1 001900A3 33243101 00970099 00971000	Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	237 995 131 639 20 424 1 777 032 792 783	X X X X X	N N N N
	311711, SEAFOOD CANNING				
11411101 11411103 11411105 11411107 11411109	Alaska pollack 1,000 s tons. Tuna 1,000 s tons. Salmon 1,000 s tons. Sardinies 1,000 s tons. Ground fish (cod, cusk, haddock, hake, Atlantic Ocean perch, Atlantic 1,000 s tons.	_ D 75.5 D	D 108 431 D	N D P119.1 P31.4	N D 155 976 5 178
11411111 11411113	pollock, and whiting) 1,000 s tons. Flounder Other fin fish	S X X	3 291 _ 34 822	8.4 X	4 925 D 43 480
11411201 11411203 11411205	Shrimp Crabs Oysters	X X X	30 124 535 D	X X X X	56 D
11411207 11411209 31171201	Clams Other shellfish Surimi 1,000 s tons	X X D	43 411 D D	X X N	45 387 D N
31171203 31100019 32221001	Frozen fish blocks 1,000 s tons Fats and oils, all types (purchased as such) mil lb Paperboard containers, boxes, and corrugated paperboard Packaging paper and plastics film, coated and laminated.	D S X	D 6 834 10 171	3.4	23 331 7 521 9 498
001900A1 33243101 00970099	Metal cans, can lids and ends	x x x	4 863 56 324 29 986	S X X X X	3 000 54 440 N
00970099	All other materials and components, parts, containers, and supplies	â	60 908	â	N N
11411101	311712, FRESH & FROZEN SEAFOOD PROCESSING Alaska pollack	176.8	257 849	79.0	71 695
11411103 11411105 11411107 11411109	Tuna	9.0 P135.2 D	33 395 256 797 D	P3.5 241.2 D	13 314 623 905 D
11411111 11411113	pollock, and whiting)	P220.7 X X	238 225 22 883 339 837	223.5 X X	280 551 28 191 377 413
11411201 11411203 11411205	Shrimp Crabs Oysters	X X X	586 306 207 482 27 849	X X X	568 950 280 064 34 711
11411207 11411209 31171201	Clams Other shellfish Surimi 1.000 s tons	X X 934.9	46 618 58 749 80 114	X X 35.1	32 097 131 529 105 820
31171203 31100019 32221001	Frozen fish blocks	P81.3 D X	163 409 D 101 167	241.6 D	570 763 D 91 327
001900A1 33243101	Packaging paper and plastics film, coated and laminated. Metal cans, can lids and ends All other materials and components, parts, containers, and supplies	X	36 834 12 654	X X X X X	30 988 26 626
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	320 607 579 944	X	N N
0.1.0.1.1	311812, COMMERCIAL BAKERIES	-0.055.0	4 074 050		
31121111 31121109 31121103 31122121 31121105	White bread-type wheat flour (except prepared mixes) mil lb. Cake-type wheat flour (except prepared mixes) mil lb. Cookie and cracker-type wheat flour (except prepared mixes) mil lb. Wheat gluten mil b. Wheat flour including whole wheat, and clear flour (except prepared	P9 655.9 548.1 P182.2 333.9	1 271 950 77 386 26 232 102 791	N N N N	N N N N
31100005 31100007	mixes) mil lb. Prepared doughnut mixes, cake and yeast types mil lb. Prepared bread mixes, including franchise mixes mil lb.	P776.4 P235.7 P93.5	118 932 81 866 40 337	N N N	N N N
31100007 31100009 31100011 31131001	Prepared cake mixes	P65.3 P92.9 608.3	24 615 37 444 239 283	2 2 2 2	N N N
31122111 31122103 31100003	Glucose syrup (corn syrup), conventional or regular (in terms of solids)	318.7 761.6	49 634 106 091	N N	N N
32510057 31120011	corn sweeteners and sugar (in terms of solids)	250.8 ^p 3.8 684.2	70 623 2 015 199 446	N N N	N N N
31100023 31161115 31100025	100 percent vegetable shortening mil lb. Animal and blends of animal and vegetable shortening mil lb. Lard. mil lb. Other fats and oils (cooking oils, butter, margarine, puff paste, etc.) mil lb.	69.6 P6.8 269.7	22 527 2 567 108 827	N N N	N N N
31199903 31199905	Compressed yeast mil b Active dry yeast mil b	331.9 9114.0	99 726 43 220	N N	N N

NAICS	ee appendixes]	1997		1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311812, COMMERCIAL BAKERIES—Con.				
31141107 31142305 31134001	Frozen fruits	72.7 .5	54 149 104 406	N N	N N
31142101 31199901 31151305	substances mil lb. Jams, jellies and preserves, including fruit butter and maraschino cherries mil lb. Liquid, dried, and frozen eggs (in terms of dry weight equivalent) mil lb. Cheese process	11.8 39.2 89.3 34.6	10 191 25 859 77 916 26 152	N N N	N N N
31151405	Cheese, process	83.9	53 078	N	N
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	100.5	51 032	Ŋ	N
33299901 001900A1	Packaging paper and plastics film, coated and laminated	X	27 679 166 102	X	N N
001900A3 32222401	Bags; plastics, foil, and coated paper	X	275 143 32 293	X X X	N N
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X X	259 414 875 017 795 908	XX	N N N
	311813, FROZEN CAKES, PIES, & OTHER PASTRIES MFG				
31121111 31121109 31121103	White bread-type wheat flour (except prepared mixes) mil lb. Cake-type wheat flour (except prepared mixes) mil lb. Cookie and cracker-type wheat flour (except prepared mixes) mil lb.	239.3 105.4 21.4	31 142 16 779 4 093	9187.9 979.3 98.5	20 837 8 790 1 088
31122121 31121105	Wheat gluten mil lb Other wheat flour, including whole wheat, and clear flour (except prepared	8.1	1 507	1.1	616
31100005 31100007	mixes) mil lh	117.2 54.2 .1	14 030 23 073	96.1 37.8 D	10 193 11 740 D
31100007 31100009 31100011	Prepared doughnut mixes, cake and yeast types	25.1 28.2	84 11 304 12 205	P11.8 S	5 062 4 234
31131001 31122111	Glucose syrup (corn syrup), conventional or regular (in terms of solids)	S 22.1	55 231 3 532	P77.7 39.8	46 848 5 326
31122103 31100003	High fructose corn syrup (HFCS)(in terms of solids)	42.3	6 877 9 364	P30.1	4 124 3 419
32510057 31120011	corn sweeteners and sugar (in terms of solids)	44.2 .2 140.6	710 43 732	D P102.5	3 419 D 35 130
31100023 31161115	Animal and blends of animal and vegetable shortening mil lb Lard mil lb	6.4 5.4	2 382 1 804	5.2 12.0	1 563 2 670
31100025 31199903 31199905	Other fats and oils (cooking oils, butter, margarine, puff paste, etc.)	57.6 6.8 1.0	28 291 3 747 1 806	48.5 9.7 2.8	18 149 5 206 1 185
31141107	Frozen fruitsmil lb.	178.8	97 691	P132.4	75 692
31142305 31134001	Dried fruits and nuts, including raisins 1,000 cwt. Glace, candied and crystallized fruits, fruit peel, nuts, and other vegetable substances	S D	28 009 D	P119.3	20 344 D
31142101 31199901 31151305	Jams, jellies and preserves, including fruit butter and maraschino cherries mil lb. Liquid, dried, and frozen eggs (in terms of dry weight equivalent) mil lb. Cheese, process mil lb.	S S 31.8	4 385 40 504 34 768	7.1 P39.9 P19.4	4 356 21 973 17 308
31151405 31132001	Milk and milk replacers, including dry milk, dry whey, blends, soy whey, and others mil lb Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate	s	28 896	34.4	18 703
33299901 001900A1	flavoring, etc.) mil lb. Aluminum foil packaging products, converted or rolls and sheets	106.5 X X	20 057 39 045 32 857	910.8 X X	10 338 34 766 17 134
001900A3	Bags; plastics, foil, and coated paper		10 035	x	4 219
32222401 32221001 00970099 00971000	Bags; uncoated paper and multiwall Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X X X X	D 115 625 214 443 92 996	X X X	318 72 766 D D
	311821, COOKIE & CRACKER MFG				
31121111 31121109	White bread-type wheat flour (except prepared mixes) mil lb Cake-type wheat flour (except prepared mixes)	368.9 134.6	43 055 16 214	N N	N N
31121103 31122121 31121105	Cookie and cracker-type wheat flour (except prepared mixes)	3 014.7 1.8	334 072 1 438	N N	N N
31100005	mixes)	250.8 D	31 397 D	N N	N N
31100007 31100009 31100011	Prepared bread mixes, including franchise mixes	S D S	3 006 D 15 487	N N N	N N N
31131001	Sugar, cane and beet (in terms of sugar solids)	540.0	242 903	N	N
31122111 31122103 31100003	Glucose syrup (corn syrup), conventional or regular (in terms of solids) mil lb. High fructose corn syrup (HFCS)(in terms of solids) mil lb. Other natural sweeteners, including dextrose, honey, molasses, blends of	^q 116.9 S	14 002 18 756	N N	N N
32510057 31120011	corn sweeteners and sugar (in terms of solids)	P156.4 S	43 018 5 611 173 729	N N N	N N N
31100023 31161115	100 percent vegetable shortening	540.4 S P3.2	13 783 13 783 968	N N	N N N
31100025 31199903	Other fats and oils (cooking oils, butter, margarine, puff paste, etc.)	P209.5 9.5	80 686 5 001	N N	N N
31199905 31141107 31142305	Active dry yeast	P1.9 D P.5	2 848 D 75 594	N N N	N N N
31134001	Glace, candied and crystallized fruits, fruit peel, nuts, and other vegetable substances	3.7	3 731	N	N
31142101 31199901 31151305	Jams, jellies and preserves, including fruit butter and maraschino cherries mil lb. Liquid, dried, and frozen eggs (in terms of dry weight equivalent) mil lb. Cheese, process mil lb.	913.7 45.1	69 489 17 812 81 403	N N N	N N N
31151405	Milk and milk replacers, including dry milk, dry whey, blends, soy whey, and others	P19.7	12 368	N	N
31132001 33299901	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	178.1 X	141 079 13 283	N X	N N
001900A1	Packaging paper and plastics film, coated and laminated	XX	249 111	XX	N N

NAICS	er appendixes _j	199)7	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
001900A3 32222401 32221001 00970099 00971000	311821, COOKIE & CRACKER MFG—Con. Bags; plastics, foil, and coated paper. Bags; uncoated paper and multiwall Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 311822, FLOUR MIXES & DOUGH MFG FROM PURCHASED	X X X X	47 499 3 539 358 298 383 394 179 768	× × × ×	N N N N N N N N N N N N N N N N N N N
11114003 11119913 1111903 11119913 11115003 11119911 11116000 11110003 31121119 31121121 31121101 31121131 31131005 31131009 31100015 31142307 31142307 31142307 31142307 31142307 31191103 11100031 001900A1 001900A3 32222401 00970099 00971000	Wheat	S S S D D D D D D D D D D S S S S S 927.2 X X X X X X X X X X X X X X X X X X X	37 667 57 D D D D 10 149 418 843 276 575 8 748 269 424 3 537 146 033 3 519 6 953 5 799 8 214 101 625 19 504 14 608 224 944 453 246 266 160	D S N N N N N D D 13.8 20 397.8 2 400.5 1 400.6 263.0 6.0 315.6 S D D 14.3 X X X X X X X X X X X X X X X X X X X	D 459 N N N N D D 1 267 465 050 245 393 111 847 130 1777 2 632 103 901 4 316 D D D 2 457 43 978 43 978 5 875 12 515 179 399 D
31121107 31121113 001900A1 001900A3 32221001 00970099 00971000	311823, DRY PASTA MFG Semolina and durum wheat flour. Other wheat flour (including farina)	20 391.0 9431.5 X X X X X	294 045 5 069 43 612 12 391 62 230 147 406 90 007	18 205.1 9458.1 X X X X X	257 872 5 161 31 384 2 575 75 927 N N 26 369
11115001 31121127 31121101 11100027 31100019 32221001 001900A1 001900A3 32222401 00970099 00971000	311830, TORTILLA MFG Field corn, whole grain	9128.6 P795.4 P9 346.3 1.4 P53.8 X X X X X	23 712 107 839 118 236 357 21 036 20 659 14 321 34 517 557 31 553 50 340	N N N N X X X X	X
11100003 31191101 11100029 00190045 31131003 31100021 001900A1 32221001 32721301 32721301 32721301 00970099 00971000	311911, ROASTED NUTS & PEANUT BUTTER MFG Nuts, in shell (including peanuts, processed mil lb. Nutmeats, including peanuts, processed mil lb. Nutmeats, raw mil lb. Sugar, cane and beet (in terms of sugar solids) 1,000 s tons. Fats and oils, including shortening 1,000 s tons. Fats and oils, including shortening 1,000 s tons. Packaging paper and plastics film, coated and laminated. Paperboard containers, boxes, and corrugated paperboard Glass containers. Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	P842.2 273.8 1 135.6 9.0 26.6 P26.0 X X X X X X	433 388 275 548 1 032 293 8 637 12 164 20 443 42 549 55 146 14 147 26 880 272 541 118 069	1 122.4 150.9 N P13.6 N 46.4 X X X X	635 711 125 696 N 13 067 N 16 812 N N N N N
11199203 11115001 11121100 31121117 31121117 31121101 11100027 31122101 31131003 31100019 32221001 001900A1	311919, OTHER SNACK FOOD MFG Shelled peanuts Field corn, whole grain 1,000 s tons. White potatoes 1,000 s tons. White potatoes 1,000 s tons. Hill b Corn grils, meal, and flakes 1,000 cwt. Corn flour Mill b Wheat flour 1,000 cwt. Spices, raw Mill b Sugar, cane and beet (in terms of sugar solids) Fats and oils, all types (purchased as such) Paperboard containers, boxes, and corrugated paperboard Packaging paper and plastics film. coated and laminated	P3.5 669.0 3 979.8 83.1 D P4 287.0 P12.5 10.2 7.7 1 275.2 X	2 625 107 648 726 912 16 303 D D 45 185 15 126 1 342 4 641 384 786 175 572 421 282	29.3 529.6 4 366.0 135.1 D 720.2 N P14.3 D 3.0	9 956 85 888 658 505 17 143 D 125 728 N 12 918 D 1 697 N N
01900A3 32222401 33243101 00970099 00971000 11130011 001900A1 001900A3 32221001 32610043	Bags; plastics, foil, and coated paper Bags; uncoated paper and multiwall Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 311920, COFFEE & TEA MFG Green coffee 1,000 cwt. Raw tea mil lb. Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper Paperboard containers, boxes, and corrugated paperboard Plastic containers and plastic can and jar lids	P21 495.5 P69.4 X X X	50 589 12 460 132 810 451 271 120 768 3 156 789 71 801 110 234 45 516 116 938 25 546	X X X X N N X X X	N 28 352 N N N N N N N N N

NAICS				1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311920, COFFEE & TEA MFG—Con.				
32721301 33243101 00970099 00971000	Glass containers	X X X	15 050 159 568 278 053 167 707	X X X	N N N N
	311930, FLAVORING SYRUP & CONCENTRATE MFG				
31131003 31122105 31122107 31100003	Sugar, cane and beet (in terms of sugar solids)	P40.3 174.6 D	24 510 18 933 D	N N	N N N
32510057 31193001	corn sweeteners and sugar (in terms of solids)	⁹ 51.5 2 410.4	14 648 151 981	N N	N N
31193003	content . mil cases, 192 oz case equiv . Other concentrated liquid beverage bases (finished drink basis) mil cases, 192 oz	P4.6	8 592	N	N
31193005	Syrup beverage bases (finished drink basis)	S 2.2	192 784 4 724	N N	N N
31142103 00190050	Concentrated fruit juices	3.2 X	33 423 1 513	N X	N N
32221001 32610027 32721309 32721311	Paperboard containers, boxes, and corrugated paperboard Plastics bottles and cans. Refillable glass containers with or without paperboard wrapping. Nonrefillable glass containers with or without paperboard wrapping or plastic	X X X	38 370 15 582 D	X X	N N N
33243101 00970099	Nonrefiliable glass containers with or without paperboard wrapping or plastic shielding. Metal cans, can lids and ends. All other materials and components, parts, containers, and supplies.	X X X	7 483 3 668 558 719	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k. 311941, MAYONNAISE, DRESSING, & OTHER PREPARED	X	155 539	X	N
11100011 11130001 31142301 31122101 31131003 31100019 001900A1 001900A3 32721301 32221001 00970099 00971000	SAUCE MFG Other fresh vegetables 1,000 s tons. Fresh fruits 1,000 s tons. Dried fruits 1,000 s tons. Dried fruits 1,000 s tons. Corn syrup 1,000 s tons. Sugar, cane and beet (in terms of sugar solids) 1,000 s tons. Fats and oils, all types (purchased as such) 1,000 s tons. Fats and oils, all types (purchased as such) 1,000 s tons. Fats and oils, find, and coated paper (Glass containers, solid, and coated paper (Glass containers) 1,000 s tons. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies 1,000 s tons. Materials, ingredients, containers, and supplies 1,000 s tons.	53.5 D D 246.8 P78.4 P1 537.5 X X X X X	36 160 D D 26 538 45 189 429 464 82 435 35 818 327 299 92 172 1 515 502 146 882	N N N N N X X X X	222222222
	311942, SPICE & EXTRACT MFG				
31131003 31142103 11130009 11100027 31142309 31121101 31121127 31122101 31100019 32221001	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons. Concentrated fruit juices mil gal. Green coffee 1,000 cwt. Spices, raw mil lb. Dried vegetables, except potatoes and corn mil lb. Wheat flour 1,000 cwt. Corn flour 1,000 cwt. Corn syrup mil lb. Fats and oils, all types (purchased as such) mil lb. Paperboard containers, boxes, and corrugated paperboard	86.0 .9 D 407.6 45.6 2 176.6 D S 177.9	46 469 13 620 D 539 236 52 975 25 023 D 6 338 72 608 46 413	N N N N N N N N N N N N N N N N N N N	X
32610027 33243101 001900A1 001900A3 32222401 32721301 00970099 00971000	Plastics bottles and cans Metal cans, can lids and ends Packaging paper and plastics film, coated and laminated. Bags; plastics, foil, and coated paper Bags; uncoated paper and multiwall Glass containers. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	4 893 17 707 34 272 18 753 3 968 12 658 853 585 177 773	X X X X X	2
	311991, PERISHABLE PREPARED FOOD MFG				
00190041 11121100 11100025 31142309 11115001 31121117 31121127 31121101 11100027 31122101	Sweetcorn, fresh or frozen 1,000 s tons.	P.4 314.1 9404.3 9 P15.2 D 25.4 761.2 S	301 64 096 188 400 1 102 2 783 D 7 606 8 612 4 472 408	N N N N N N N N N N N N N N N N N N N	N
31131003 31100019 32221001 001900A1 001900A3 32222401 00970099 00971000	Sugar, cane and beet (in terms of sugar solids)	P16.6 S X X X X X	10 191 13 662 101 417 35 774 6 087 D 482 485 225 529	N N X X X X X X X	N
	311999, ALL OTHER MISCELLANEOUS FOOD MFG				
11231005	Shell eggs	q46 476.3	681 517	Ņ	N
31142103 11121100 31142309 11115007 31121117 31121127	Concentrated fruit juices	D 5.2 910.5 784.5 D 11.6	D 2 354 19 595 117 829 D 1 683	Z Z Z Z Z	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
31121101 11100027	Wheat flour 1,000 cwt. Spices, raw mill lb.	8 146.6 34.7	102 935 23 272	N N	N N

NAICS	ee apperuixesj	19	97	19	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311999, ALL OTHER MISCELLANEOUS FOOD MFG—Con.				
31122101 31131003 31100019 32221001 32721301 33243101 00970099 00971000	Corn syrup	343.5 277.4 197.4 X X X X X	41 401 148 779 68 642 261 004 34 243 28 029 1 628 901 739 852	N N X N X X	N N N N N N N
00371000	312111, SOFT DRINK MFG	^	703 032	^	, N
31131003 31122105 31122107 31100003	Sugar, cane and beet (in terms of sugar solids)	q109.8 P3 164.3 P7 930.7	68 605 343 147 1 027 132	N N N	N N N
32510057 31193001	corn sweeteners and sugar (in terms of solids)	128.3 ^q 296.9	26 000 25 846	N N	N N
31193003	content mil cases, 192 oz case equiv . Other concentrated liquid beverage bases (finished drink basis) mil cases, 192 oz mil cases, 192 oz	P441.4	275 823	N	N
31193005	Syrup beverage bases (finished drink basis)	95 464.7	4 232 665	N N	N N
31142103 00190050	Case equiv. Concentrated fruit juices mil gal. Plastics wrappings, trays, carriers, etc., including preforms	S S X	815 154 357 830 313 753	N N X	N N N
32221001 32610027 32721309 32721311	Paperboard containers, boxes, and corrugated paperboard Plastics bottles and cans. Refillable glass containers with or without paperboard wrapping. Nonrefillable glass containers with or without paperboard wrapping or plastic	X X X	491 787 1 670 628 42 919	X X X	N N N
33243101 00970099 00971000	Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	333 256 3 799 676 1 320 852 1 794 958	X X X X	N N N
	312112, BOTTLED WATER MFG				
00190050 32221001 32610027 32721309 32721311	Plastics wrappings, trays, carriers, etc., including preforms Paperboard containers, boxes, and corrugated paperboard Plastics bottles and cans. Refillable glass containers with or without paperboard wrapping. Nonrefillable glass containers with or without paperboard wrapping or plastic	X X X	2 293 16 934 53 260 D	X X X X	N N N N
00970099 00971000	shielding. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 49 910 222 697	X X X	N N N
	312120, BREWERIES				
11119911 11115005 31121119 31121121 31121300 31122119	Barley mil bushels. Corn, purchased as grain mil bushels. Corn grits 1,000 cwt. Corn meal and flakes 1,000 cwt. Malt 1,000 cwt. Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	S D 95 492.4 D P56 282.2 620.9	1 362 D 49 720 D 791 968 53 428	15.5 D 7 043.6 D 50 252.1 605.4	69 294 D 66 155 D 721 084 68 472
31122103 31122117 31131003 32510053	High fructose corn syrup (HFCS)(in terms of solids) mil Ib. Crystalline fructose (dry fructose) mil Ib. Sugar, cane and beet (in terms of sugar solids)	421.9 - 96.7 D	43 695 - 1 682 D	D N D N	D N D N
32221001 32721303 33243101 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard Glass containers, excluding those capitalized Metal cans, can lids and ends All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	616 960 1 565 310 2 224 266 937 928 378 377	X X X X	563 543 1 470 028 2 815 051 D
	312130, WINERIES				
00190016 11133200 31213001 31213003 32721305 32221003 00970099 00971000	All other materials, ingredients, and supplies consumed in wine manufacturing. Fresh grapes	X S S 22.6 S X X X	531 521 1 356 565 827 025 119 986 440 508 65 293 5 446 193 477	3 031.0 239.0 S 11 377.0 X X	N 778 819 352 400 13 151 393 388 36 668 N D
	312140, DISTILLERIES				
00190018 11115005 11110001 31121300 32192005 00190017	All other materials, ingredients, and supplies consumed in the processing and bottling of distilled liquors Com, purchased as grain Other grains (rye, barley, etc.) used in grain distilling mil bushels Malt 1,000 cwt. Cooperage used in grain distilling millions All other materials, ingredients, and supplies consumed in distilling	X X 1.9 S .6	52 656 41 128 9 550 8 373 46 262	X X D 494.3 492.8	37 287 N 8 025 39 078
31214001 31214005 31214007 31214009	operations Neutral spirits used in the processing of whiskey Neutral spirits used in the processing of volka. Neutral spirits used in the processing of gin Neutral spirits used in the processing of gin Neutral spirits used in the processing of other liquor Neutral spirits used in the processing of other liquor mil tax gal.	X S P36.5 S S	2 278 5 428 32 892 1 961 130 052	X 14.7 P78.7 31.4 23.9	N 10 985 86 255 24 646 106 204
31214003 32221005	Aged whiskey used in the processing and bottling of distilled liquors	P54.3	270 866	44.4	154 359
32610029 32721307 00970099 00971000	distilled liquors Plastics containers Glass containers used in the processing and bottling of distilled liquors All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	23 436 63 046 337 601 211 973 233 828	X X X X	23 459 26 502 313 307 N 13 988

NAICS	ac appendixes _j	199	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	312210, TOBACCO STEMMING & REDRYING				
11191000 31220000 31221000	Unstemmed leaf tobacco including green tobacco not packed	955.2 45.1	1 806 588 97 350	N N	N N
31222903 32221001	tobacco. mil lb. Reconstituted tobacco, processed sheet and homogenized mil lb. Paperboard containers, boxes, and corrugated paperboard	312.8 D X	522 375 D D	N N X	N N N
32520003 00970099 00971000	Manmade fibers, staple, and tow. All other materials and components, parts, containers, and supplies	X X X	- 3 17 402	X X X	N N N
	312221, CIGARETTE MFG				
11191000 31220000 31221000	Unstemmed leaf tobacco including green tobacco not packed	D D	D D	D D	D D
31222903 32221001	tobacco. mil lb. Reconstituted tobacco, processed sheet and homogenized mil lb. Paperboard containers, boxes, and corrugated paperboard	833.0 D X	2 127 113 D D	1 013.0 297.9 X	2 157 177 183 615 294 868
32520003 00970099 00971000	Manmade fibers, staple, and tow. All other materials and components, parts, containers, and supplies	X X X	438 283 1 171 641	X X X	305 349 1 120 258 N
	312229, OTHER TOBACCO PRODUCT MFG				
11191000 31220000 31221000	Unstemmed leaf tobacco including green tobacco not packed mil lb. Unstemmed leaf tobacco, redried and packed mil lb. Stemmed leaf tobacco, excluding processed sheet and homogenized	39.0 91.7	60 803 183 544	N N	N N
31222903 32221001	tobacco mil lb. Reconstituted tobacco, processed sheet and homogenized mil lb. Paperboard containers, boxes, and corrugated paperboard	107.7 45.5 X	189 923 57 613 33 023	N N X	N N N
32520003 00970099 00971000	Manmade fibers, staple, and tow. All other materials and components, parts, containers, and supplies	X X X	D D 9 340	X X X	N N N
	313111, YARN SPINNING MILLS				
11192001 11200000 31499905	Raw cotton fibers	95 618.3 P38.2 925.9	2 296 783 46 150 95 310	N N D	N N D
00999829 32522105 32522215	Naw wool, moriair, and other animal libers (scoured weight). Mil b. All other fibers (silk, jute, reused wool, waste, etc.). Mil b. Rayon and acetate staple and tow. Mil b. Nylon staple and tow. Mil b. Polyester staple and tow. Mil b. Acrylic staple and tow. Mil b. All other manmade fiber staple and tow (except glass). Mil b. All other manmade fiber staple and tow (except glass). Mil b.	941.5 70.6 553.8	27 491 142 001 717 486	72.3 N 926.9	15 756 N 992 123
32522223 32522225 32522227	Polyester staple and tow mill b. Acrylic staple and tow mill b. All other manmade fiber staple and tow (except glass) mill b.	751.9 9235.1 22.9	620 564 213 334 101 158	763.0 144.6 P66.7	598 811 159 699 108 137
31311101 32522211	Nylon filament yarns	P27.7 88.2	47 367 158 299	N 95.9	N 148 495
32522221 32522205 32513003	Polyester filament yarns mil Ib. All other manmade filament yarns mil Ib. Dyes, lakes, and toners mil Ib.	D D X	D D 20 203	100.5 P1.7 X	97 272 3 386 N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	227 702 54 778	X	N N
11192001	313112, YARN TEXTURING, THROWING, & TWISTING MILLS Raw cotton fibers	D	D	N	N
00999829 32522105 32522223	All other fibers (silk, jute, reused wool, waste, etc.) mil lb. Rayon and acetate staple and tow mil lb. Polyester staple and tow mil lb. Nylon staple and tow mil lb. Spun yarn, all fibers mil lb.	1.2 D 9210.4	4 342 D 161 306	N N N	N N N
32522215 31311101 32522221	Nylon staple and tow mil lb. Spun yarn, all fibers mil lb. Polvester filament yarns mil lb	166.9 61.5 875.5	164 160 40 523 952 903	N N N	N N N
32522211 32522205 32513003	Polyester filament yarns mil lb Nylon filament yarns mil lb. All other manmade filament yarns mil lb. Dves, lakes, and toners	789.6 S X	1 282 682 72 984 25 794	N N N X	N N N
00970099 00971000	Dyes, lakes, and toners. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X	91 108 135 744	X	N N
	313113, THREAD MILLS	_	_		
11192001 32522215 32522105	Raw cotton fibers 1,000 bales. Nylon staple and tow mil lb. Rayon and acetate staple and tow mil lb.	D D	D D D	N N N	N N N
32522223 32522225 31311101	Polyester staple and tow mil lb. Acrylic staple and tow mil lb. Spun yarn, all fibers mil lb.	D - P14.7	D - 135 868	N N N	N N N
32522211 32522221 32522205	Nylon filament yarns mil Ib. Polyester filament yarns mil Ib. All other manmade filament yarns mil Ib.	P6.9 13.8 S	52 614 24 059 6 240	N N N	N N N
32513003 00970099 00971000	Dyes, lakes, and toners. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 28 238 7 968	X X X	N N N
	313210, BROADWOVEN FABRIC MILLS				
11192001 11200000 31499905	Raw cotton fibers	4 164.1 73.9 D	1 685 115 162 041 D	N N N	N N N
32522105 32522215 32522223	Rayon and acetate staple and tow mil lb. Nylon staple and tow mil lb. Polyester staple and tow mil lb. mil b.	110.8 P15.4 656.5	175 863 22 402 416 526	N N N	N N N
32522227 00999829 32522101	All other manmade fiber staple and tow (except glass)	S D 140.1	163 543 D 282 724	N N N	N N N
32522211 32522221	Rayon, acetate, and/or lyocell filament yarns mil lb. Nylon filament yarns mil lb. Polyester filament yarns mil lb.	P168.0 499.1	480 792 869 292	N N	N N
32522203 32721207 31311101	All other filament yarns, except glass mil lb. Glass filament yarn and roving mil lb. Spun yarn, all fibers mil lb.	231.7 S 1 049.8	421 975 306 883 1 890 047	N N N	N N N
31321027 32513003 00970099	Broadwoven fabrics	S X X	737 912 231 746 1 321 569	N X X	N N N

NAICS	е арренилесь]	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	313210, BROADWOVEN FABRIC MILLS—Con.				
00971000	Materials, ingredients, containers, and supplies, n.s.k	Х	394 131	Х	N
31311103 32522221 32522211 32522213 31311001 32629907 31311113 11192001 32522105 00970099 00971000	Cotton yarns Polyester filament yarns Nylon filament yarns Filament rayon, acetate, and Lyocell yarns All other yarns Bare rubber thread. Spun polyester yarns Raw cotton fibers 1,000 bales Rayon and acetate staple and tow Materials, ingredients, containers, and supplies Materials, ingredients, containers, and supplies, m.s.k.	X X X X X X D D X	40 643 95 174 124 779 16 746 76 523 37 878 24 461 D 92 752 46 059	X X X X X X N N X	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	313222, SCHIFFLI MACHINE EMBROIDERY				
31321013 31321003 31321009 31321021 31321021 3132203 31311003 31500000 32591011 32610013 00970099 00971000	Polyester broadwoven fabrics (piece goods)	.3 S D S S S S S X X X X X	3 647 3 155 D 4 589 2 792 8 667 1 101 9 263 D 1 335 5 893 13 630	N N N N N N N N N N N N N N N N N N N	
	313230, NONWOVEN FABRIC MILLS				
11192001 00190019 31122305 11200000 00999823 32522105 32522201 31311003 31320003 32212003	Raw cotton fibers 1,000 bales. Cotton waste mil lb. Cotton linters (net weight) mil lb. Raw wool, mohair, and other animal fibers (scoured weight) mil lb. Wool noils and waste mil lb. Rayon and acetate staple and tow mil lb. Noncellulosic (polyester, nylon, etc.) manmade textile fibers mil lb. Yarn, all fibers mil lb. Textile fabrics mil lb. Paper (cellulosic wadding) mil lb.	S S D 6.2 D 44.2 P406.2 S X 78.7	29 363 21 493 D 12 517 D 87 349 566 141 132 941 69 391 82 449	N N N N N N N N N N N N N N N N N N N	N
32552009 32500015 00999825 32521139 32521115	Adhesives and binders (resins) mill lb. Additives (fire retardants, water repellants, softeners, and antistatics, etc.) New and used rags, clips, etc. mill lb. Vinyl and vinyl copolymer resins, all forms Plastics resins (except vinyl) consumed in the form of granules, pellets,	P99.3 X D X	107 083 45 368 D 10 814	N X N X	N N N N
32221001 32513003 00970099 00971000	powders, liquids, etc. mil lb. Paperboard containers, boxes, and corrugated paperboard Dves, lakes, and toners. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	P805.2 X X X X X	562 676 90 628 27 744 438 820 115 845	N X X X X	N N N N N
	313241, WEFT KNIT FABRIC MILLS				
31324000 32520003 11192001 11241001 31311105 31311107 31311109 31311111 31311113 32522101	Knit fabrics	\$ 9.3 P202.3 \$ \$ 1.7 243.7 \$	7 220 53 834 D 711 301 314 267 249 13 269 5 322 381 074 18 625	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
32522211 32522221 31311115 31311121 31311001 00970099 00971000	Nylon filament yarn mil lb. Polyester filament yarn mil lb. Acrylic yarns mil lb. Wool yarn mil lb. Wool yarn mil lb. All other yarns mil lb. All other yarns mil lb. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	13.5 983.2 S D 991.9 X X	30 044 130 598 23 769 D 162 155 194 548 146 348	N N N N N X X	N N N N N N N N N N N N N N N N N N N
	313249, OTHER KNIT FABRIC & LACE MILLS				
31324000 32520003 11192001 31311105 31311107 313111109 31311111 313111113 32522101 32522211	Knit fabrics . mil lb. Manmade fibers, staple, and tow. mil lb. Raw cotton fibers . 1,000 bales. Carded cotton yarn . mil lb. Combed cotton yarn . mil lb. Spun rayon and acetate yarn . mil lb. Spun nylon yarn . mil lb. Spun nylon yarn . mil lb. Spun polyester yarns . mil lb. Rayon, acetate, and/or lyocell filament yarns . mil lb. Nylon filament yarn . mil lb.	\$ S D \$ \$ 4.0 P27.8 \$ \$ \$ 58.7	45 021 25 735 D 43 379 45 760 7 871 71 788 144 205 25 087 155 827	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
32522221 31311115 31311001 00970099 00971000	Polyester filament yarn mil lb. Acrylic yarns mil lb. All other yarns mil lb. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	P129.5 D S X X	234 823 D 167 470 191 527 95 005	N N N X X	N N N N
0404445	313311, BROADWOVEN FABRIC FINISHING MILLS				**
31311101 31321027 32513003 31324000 00970099 00971000	Spun yarn, all fibers mil b. Broadwoven fabrics mil sq yd. Dyes, lakes, and toners mil sq ril sabrics mil sq is yd. All other materials and components, parts, containers, and supplies mil b. Materials, ingredients, containers, and supplies mil b.	569.5 6 149.5 X S X X	132 602 2 768 382 623 158 30 623 441 974 583 365	N N X N X	N N N N N N N N N N N N N N N N N N N

	ee appendixes]	1997		1992	2
NAICS material code	Industry and materials consumed		Delivered cost		Delivered cost
	313312, TEXTILE & FABRIC FINISHING MILLS	Quantity	(\$1,000)	Quantity	(\$1,000)
31311101 31321027 32513003 31324000 00970099 00971000	Spun yarn, all fibers	364.3 506.1 X S X	646 223 13 894 203 640 981 758 165 945 213 212	N N X N X	N N N N N
0050000	313320, FABRIC COATING MILLS		40.000		
32520003 31311003 31320013 31320015 32212003 32552009 32510059 32521139 32521115 32610013	Manmade fibers, staple, and tow. Yarn, all fibers Cotton fabrics Manmade fiber fabrics, including glass. Paper (cellulosic wadding) Adhesives and binders (resins) Plasticizers Vinyl and vinyl copolymer resins, all forms Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x x x x x x x	40 668 43 520 85 041 213 229 15 969 45 594 42 334 54 169 38 707 33 641	x x x x x x x	222222 222222 2 2
32521213 32521203	Ethylene-propylene type plastics and synthetic rubber	X	2 190 5 221	X X X	N N
32629905 32520007 11321005 11321003 00970099 00971000	Hubber compounds and mixtures purchased (dry rubber solids content) Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass Natural latex rubber (dry solids content) Natural dry rubber All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	12 050 29 387 D D 271 893 205 222	X X X X	N N N N N
00971000	314110, CARPET & RUG MILLS	^	203 222	^	IN.
31311123 31311111 31311113 31311117 31311119 32522211 32522221 32522231 32522231 32522207 32520001	Spun wool and chiefly wool yarns mil lb. Spun nylon yarn mil lb. Spun polyester yarns mil lb. Spun polyester yarns mil lb. Spun polyeropylene yarns mil lb. All other spun yarns mil lb. All other spun yarns mil lb. Nylon filament yarns mil lb. Polyester filament yarns mil lb. Polyopopylene filament yarns mil lb. All other filament yarns mil lb. All other filament yarns mil lb. All other manmade fiber staple, and tow mil lb.	31.6 673.9 P82.1 S P19.2 1 096.4 S 487.5 D	84 414 1 525 770 140 772 114 577 40 355 2 171 547 42 466 445 042 D	11.1 P802.7 P123.4 q104.2 P20.3 P480.8 P4.6 188.3 P26.2 N	29 512 1 559 880 153 730 121 147 35 805 1 006 765 231 960 38 688 N
32522215 32522217 32522223 0099829 31320017 31320021 31320031 32620003 32610041	Nylon staple and tow mill b Polypropylene staple and tow mill b Polypropylene staple and tow mill b All other fibers (silk, jute, reused wool, waste, etc.) mill b Polypropylene fiber fabrics primary backing mil sq yd All other manmade fiber fabrics primary backing mil sq yd All other fabrics (except manmade) primary backing mil sq yd Jute secondary backing mil sq yd Jute secondary backing mil sq yd Other cushion secondary backing.	P64.5 39.1 927.1 3.9 843.6 9232.6 2.2 X X	121 815 82 266 35 091 23 820 315 663 137 709 1 690 79 574 26 487 56 182	D P44.7 27.0 D 9659.6 P106.8 4.1 X X X	D 36 136 15 962 D 190 525 73 300 5 061 80 022 13 670 95 884
31320023 31320025 32513003 00970099 00971000	Woven and nonwoven manmade fiber fabrics secondary backing All other secondary backing (including scrim, solid vinyl, etc.) Dyes, lakes, and toners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	193 489 42 928 190 546 648 016 163 763	X X X X	107 350 47 441 185 494 710 999 93 831
	314121, CURTAIN & DRAPERY MILLS				
31321003 31321009 31321013 31321015 31321021 31322103 31311003 31332001 32520003 32610013	Cotton broadwoven fabrics (piece goods) Rayon and acetate broadwoven fabrics (piece goods) Polyester broadwoven fabrics (piece goods) Nylon broadwoven fabrics (piece goods) Other broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Yarn, all fibers Plastics coated, impregnated, or laminated fabrics Manmade fibers, staple, and tow. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x x x x x x x x	60 889 65 738 118 875 6 565 68 335 1 015 40 034 10 947 852	x x x x x x x x	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	124 115 296 972	X	N N
0.100	314129, OTHER HOUSEHOLD TEXTILE PRODUCT MILLS				
31321003 31321009 31321013 31321015 31321021 31322103 31311003 31332001 32520003 32610013	Cotton broadwoven fabrics (piece goods) Rayon and acetate broadwoven fabrics (piece goods) Polyester broadwoven fabrics (piece goods) Nylon broadwoven fabrics (piece goods) Other broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Yarn, all fibers Plastics coated, impregnated, or laminated fabrics Manmade fibers, staple, and tow. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x x x x x x x	543 694 14 909 265 363 20 141 808 928 29 989 195 176 23 140 169 194 32 987	X X X X X X X	2222222
00970099 00971000	All other materials and components, parts, containers, and supplies	X	1 244 579 321 074	X	N N
31321003 31321009 31321013 31321015 31321021 31321003 31311003 31332001 32520003	314911, TEXTILE BAG MILLS Cotton broadwoven fabrics (piece goods). Rayon and acetate broadwoven fabrics (piece goods). Polyester broadwoven fabrics (piece goods). Nylon broadwoven fabrics (piece goods). Other broadwoven fabrics (piece goods). Narrow fabrics (12 inches or less in width). Yarn, all fibers. Plastics coated, impregnated, or laminated fabrics Manmade fibers, staple, and tow.	x x x x x x	41 130 3 608 23 343 25 977 48 353 7 676 20 130 65 725 13 874	x x x x x x x	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

NAICS	е арренилес)	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	314911, TEXTILE BAG MILLS—Con.				
32610013 00970099 00971000	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	14 651 92 012 68 929	X X X	N N N
	314912, CANVAS & RELATED PRODUCT MILLS				
31321003 31321009 31321013 31321015 31321021 313222103 31311003 31332001 32520003 32610013	Cotton broadwoven fabrics (piece goods) Rayon and acetate broadwoven fabrics (piece goods) Polyester broadwoven fabrics (piece goods) Nylon broadwoven fabrics (piece goods) Other broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Yarn, all fibers Plastics coated, impregnated, or laminated fabrics Manmade fibers, staple, and tow. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x x x x x x x x	29 679 4 035 28 720 35 598 22 185 7 858 7 403 77 730 8 919	x x x x x x x x	27 220 1 139 17 335 24 284 20 132 5 833 1 045 54 294 1 121
00970099 00971000	All other materials and components, parts, containers, and supplies	X	187 684 235 514	X	104 732 192 628
	314991, ROPE, CORDAGE, & TWINE MILLS				
32520003 31311003 31320013 31320015 32212003 32552009 32510059 32521139 32521115 32610013	Manmade fibers, staple, and tow. Yarn, all fibers Cotton fabrics Manmade fiber fabrics, including glass. Paper (cellulosic wadding) Adhesives and binders (resins) Plasticizers Vinyl and vinyl copolymer resins, all forms Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	× × × × × × × ×	53 093 85 476 D D 1 025 377 D 51 354	x x x x x x x x	37 717 80 437 D 2 801 3 492 D D D 40 864
32521213 32520007	Ethylene-propylene type plastics and synthetic rubber	X	D	Х	N
00970099 00971000	other manmade fibers, except glass	X X X	D 57 239 38 452	X X X	N N 36 238
32522215	314992, TIRE CORD & TIRE FABRIC MILLS Nylon staple and tow	D	D	D	D
3252223 3252223 32522101 32522211 32522221 32522203 32721207 31311101 31321027 00970099 00971000	Nylon scapite and tow mill b. Rayon, acetate, and/or lyocell filament yarns mill b. Rayon, acetate, and/or lyocell filament yarns mill b. Nylon filament yarns mill b. Polyester filament yarns except glass mill b. All other filament yarns and roving mill b. Spun yarn, all fibers mill b. Broadwoven fabrics mill b. Broadwoven fabrics mill sq yd. All other materials and components, parts, containers, and supplies materials, ingredients, containers, and supplies, n.s.k.	D D 119.2 171.1 D D D D X X	223 598 304 088 0 D D D D D 141 034 4 380	90.7 3.5 49.7 82.5 D 1.5 D N X	100 097 5 859 61 506 110 681 D 2 195 D N 73 337
	314999, ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS				
11192001 00190019 31122305 1120000 00999823 32522105 32522201 31311003 31320003 32212003	Raw cotton fibers 1,000 bales. Cotton waste mill b. Cotton linters (net weight) mill b. Raw wool, mohair, and other animal fibers (scoured weight) mill b. Wool noils and waste mill b. Rayon and acetate staple and tow mill b. Noncellulosic (polyester, nylon, etc.) manmade textile fibers mill b. Yarn, all fibers mill b. Textile fabrics mill b. Paper (cellulosic wadding) mill b.	27.5 S S D D P7.7 9386.5 S X D	5 887 40 091 23 917 D D 6 616 214 213 243 547 485 328 D	x x x x x x x x	N N N N N N N N N N N N N N N N N N N
32552009 32500015 00999825 32521139 32521115	Adhesives and binders (resins)	P32.7 X 98.8 X	22 588 11 562 52 377 2 399	X X X	N N N N
32221001 32513003 31322103 31332001 31500000 32610013	powders, liquids, etc. mill b. Paperboard containers, boxes, and corrugated paperboard Dyes, lakes, and toners Narrow fabrics (12 inches or less in width) Plastics coated, impregnated, or laminated fabrics mill sq yd. Garments purchased to be printed and resold Plastics products consumed in the form of sheets, rods, tubes, film, and	S X X S S X	73 314 36 579 14 591 24 683 66 307 240 210	X X X X X	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
32100019 00970099 00971000	other shapes Rough and dressed lumber All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	24 269 D 1 065 263 266 335	X X X	N N N N
	315111, SHEER HOSIERY MILLS				
31511101 31511103 31311103 31311111 31311115 32522211 32522229 31311001 00190003 32221001 00970099 00971000	Hosiery shipped in the greige, except pantyhose . Pantyhose shipped in the greige . Cotton yarms . Spun nylon yarn Acrylic yarns . Nylon filament yarns . Spandex filament yarns . All other yarns . Flexible packaging materials . Paperboard containers, boxes, and corrugated paperboard . All other materials and components, parts, containers, and supplies . Materials, ingredients, containers, and supplies , n.s.k.	x x x x x x x x x x	28 584 120 070 32 113 223 460 9 791 117 781 82 800 9 345 34 823 40 577 28 738 40 794	x x x x x x x x x	N N N N N N N N N N N N N N N N N N N

or terms, s	ee appendixesj	100	7	1992	
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
31511101 31511103 31311103 31311111 313111115 32522212 31311001 00190003 32221001 00970099 00971000	315119, OTHER HOSIERY & SOCK MILLS Hosiery shipped in the greige, except pantyhose Pantyhose shipped in the greige Cotton yarns Spun nylon yarn Acrylic yarns Nylon filament yarns Spandex filament yarns All other yarns Flexible packaging materials Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x x x	340 269 D 386 079 63 282 49 822 43 246 22 746 85 138 37 234 31 399 132 492 D	x x x x x x x x	
31324000 32520003 11192001 11241001 31311105 31311109 31311111 31311113 32522101	315191, OUTERWEAR KNITTING MILLS	43.9 1.7 D D 295.2 437.2 S S D S	327 547 5 016 D D 560 605 82 013 2 505 913 D 1 629	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
32522221 31311115 31311121 31311001 00970099 00971000	Polyester filament yarn mil lb. Acrylic yarns mil lb. Wool yarn. mil lb. All other yarns mil lb. All other materials and components, parts, containers, and supplies materials, ingredients, containers, and supplies materials materials.	P1.8 S 11.8 S X	3 822 46 885 61 372 11 528 306 981 273 217	N N N X X	N N N N N
31324000 31311105 31311107 31311111 31311113 32522211 32522221 31311105 00970099 00971000	State Stat	S 959.8 S D S D S D S D S D S D S D S D S D S D	33 411 87 756 40 404 D 8 642 D 30 227 4 946 D D 39 579 10 571	N N N N N N N N N N N N N N N N N N N	Z
31321023 31322103 31324000 31311003 33999301 31500000 32591011 00970099 00971000	315211, MEN'S & BOYS' CUT & SEW APPAREL CONTRACTORS Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners Garments purchased to be printed and resold Printing ink, for printing on garments All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	57 667 10 471 40 009 5 316 11 667 1 587 46 34 073 45 706	× × × × × × ×	N N N N N N N N N N N N N N N N N N N
31321023 31322103 31324000 31311003 33999301 31500000 32591011 00970099 00971000	315212, WOMEN'S, GIRLS', & INFANTS' CUT & SEW APPAREL CONTRACTORS Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners Garments purchased to be printed and resold Printing ink, for printing on garments All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	49 019 5 299 45 103 10 673 7 801 1 006 223 33 090 264 424	× × × × × × ×	N N N N N N N N N N N N N N N N N N N
31321023 31322103 31324000 31311003 33999301 00970099 00971000	315221, MEN'S & BOYS' CUT & SEW UNDERWEAR & NIGHTWEAR MFG Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	69 374 7 380 173 941 D D 46 963 75 790	× × × × × ×	N N N N N N N N N N N N N N N N N N N
31321023 31322103 31324000 31311003 33999301 00970099 00971000	315222, MEN'S & BOYS' CUT & SEW SUIT, COAT, & OVERCOAT MFG Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers. Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	504 438 40 815 6 488 6 836 37 690 75 468 105 534	× × × × × ×	N N N N N N N N N N N N N N N N N N N

NAICS		1997	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	315223, MEN'S & BOYS' CUT & SEW SHIRT (EXC WORK SHIRT) MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × ×	363 347 66 926 1 553 915 59 071 54 720 503 743 237 616	X X X X X	N N N N N N
	315224, MEN'S & BOYS' CUT & SEW TROUSER, SLACK, & JEAN MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	1 078 126 D 55 626 28 994 130 920 185 203 D	X X X X X	2
	315225, MEN'S & BOYS' CUT & SEW WORK CLOTHING MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yam, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	542 558 D 18 815 D 73 418 58 329 48 318	X X X X X	N N N N N
	315228, MEN'S & BOYS' CUT & SEW OTHER OUTERWEAR MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yam, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × ×	271 708 14 824 148 220 19 835 29 436 65 986 148 196	x x x x x	N N N N N N
	315231, WOMEN'S & GIRLS' CUT/SEW LINGERIE & NIGHTWEAR MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	238 836 103 147 1 061 383 36 764 31 170 93 609 124 742	X X X X X	N N N N N N
	315232, WOMEN'S & GIRLS' CUT & SEW BLOUSE & SHIRT MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	528 097 68 985 515 299 89 840 62 765 83 702 181 231	X X X X X	N N N N N N N N N N N N N N N N N N N
	315233, WOMEN'S & GIRLS' CUT & SEW DRESS MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yam, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	858 014 141 818 305 769 57 227 90 385 63 912 325 366	X X X X X	N N N N N
	315234, WOMEN'S & GIRLS' CUT & SEW SUIT, COAT, SKIRT MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics. Yarn, all fibers. Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x	795 232 36 958 96 631 21 114 70 340 30 381 148 874	x x x x x	N N N N N N N N N N N N N N N N N N N
	315239, WOMEN'S & GIRLS' CUT & SEW OTHER OUTERWEAR MFG				
31321023 31322103 31324000 31311003 33999301 00970099 00971000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	1 335 753 360 759 463 061 68 287 150 841 151 051 285 331	× × × × ×	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
040	315291, INFANTS' CUT & SEW APPAREL MFG				_
31321023 31322103 31324000 31311003 33999301 00970099	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Krit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies	X X X X	143 706 2 734 159 760 20 229 17 398 17 828	X X X X	Z Z Z Z Z Z Z Z

NAICS	ee appendixesj	1997	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	315291, INFANTS' CUT & SEW APPAREL MFG—Con.				
00971000	Materials, ingredients, containers, and supplies, n.s.k.	х	16 134	х	N
	315292, FUR & LEATHER APPAREL MFG				
31321023 31322103	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width)	X X	2 782 566	X	N N
31324000 31311003 31611001	Knit fabrics Yam, all fibers Finished leather	X X X X	D D 28 024	X	N N N
33999301 00970099	Buttons, zippers, and slide fasteners	X	2 333 11 441	X X X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	63 070	Х	N
01001000	315299, ALL OTHER CUT & SEW APPAREL MFG	V	102 105	V	N
31321023 31322103 31324000	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width) Knit fabrics	X X X	102 103 10 699 61 513	x X	N N N
31311003 33999301	Yarn, all fibers	X	7 009 5 494	X	N N
31611001 00970099 00971000	Finished leather All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 48 748 D	X X X X X	N N N
00371000	315991, HAT, CAP, & MILLINERY MFG			X	N
31321023	Broadwoven fabrics (piece goods)	х	141 045	х	95 074
31322103 31323003 31599100	Narrow fabrics (12 inches of less in width) Wool felt Hat bodies	X X X	24 415 24 714 48 815	X X X X	40 826 6 675 71 656
00970099 00971000	All other materials and components, parts, containers, and supplies	X	77 766 29 049	x x	71 111 64 844
	315992, GLOVE & MITTEN MFG				
31321023 31324000	Broadwoven fabrics (piece goods)mil sq yd Knit fabrics	^q 16.3	30 061 26 994	X	N N
31311003 31611013	Yarn, all fibers.	X X X	17 496 38 384	X X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	38 270 25 647	X	N N
	315993, MEN'S & BOYS' NECKWEAR MFG				
31321023 31322103	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width)	X X	153 166 39 289	X	150 039 36 088
31324000 31311003 31611001	Knit fabrics Yam, all fibers Finished leather	X X X	D D D	X	2 820 D D
33999301 00970099	Buttons, zippers, and slide fasteners All other materials and components, parts, containers, and supplies	X	583 11 659	X X X X X	D 18 864
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	12 443	Х	31 495
	315999, OTHER APPAREL ACCESSORIES & OTHER APPAREL MFG				
31321023 31322103	Broadwoven fabrics (piece goods) Narrow fabrics (12 inches or less in width)	X X	172 647 10 866	X	N N
31324000 31311003 33999301	Knit fabrics Yarn, all fibers Buttons, zippers, and slide fasteners	X X X	2 407 45 806 5 431	X X X X	N N N
31611001 31332001	Plastics coated, impregnated, or laminated fabrics	X	148 047 84 226		N N
31500000 32591011	Garments purchased to be printed and resold Printing ink, for printing on garments Plastics resins consumed in the form of granules, pellets, powders, liquids,	S X X	4 554 2 083	X X X	N N
32521105 32610013	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	D	D	х	N
32520003	other shapes Manmade fibers, staple, and tow	X X	13 513 4 483	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	143 243 D	X	N N
	316110, LEATHER & HIDE TANNING & FINISHING				
31161119 32500025	Hides, skins, and pelts. Tanning materials, dressings, dyes, and finishing agents	X	1 498 738 257 834	X	1 217 550 281 522
31611003 31611011 31611007	Finished upper leather. Finished soling leather. All other finished leather	X X X X	69 786 D 19 107	X X X X X	129 234 33 116 16 867
00970099 00971000	All other materials and components, parts, containers, and supplies	X	84 938 81 565	X	N N
	316211, RUBBER & PLASTICS FOOTWEAR MFG				
11321001 32521105	Natural rubber	х	12 109	X	18 745
32521201 32510055	etc. Synthetic rubber, including vulcanizable elastomers Rubber processing chemicals (accelerators, antioxidants, blowing agents,	X	49 660 14 008	X	18 970 19 960
32510059	inhibitors, peptizers, etc.) Plasticizers	X X	8 039 D	X	13 394 6 731
32510085 32552003	All other industrial organic chemicals	X	D 2 706	X X X X	4 092 2 325
32500053 31320003 32220017	All other chemical and allied products Textile fabrics Paper and paperboard containers, including shipping sacks and other paper	X	5 943 53 616	X	D 81 693
32220017	packaging supplies.	x	13 677	x	15 073

NAICS	эсе аррениясы	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	316211, RUBBER & PLASTICS FOOTWEAR MFG—Con.				
32600055 32600035 32610013	Soles and heels of rubber and plastic. Composition cut stock and findings. Plastics products consumed in the form of sheets, rods, tubes, film, and	X	55 298 D	X	N N
31611005 31699905	other finished leather	X -	D -	X	N N
32600057	innersoles Other parts of plastics and natural and synthetic rubber	X	15 047 15 725	X X	N N
31611009 31699903	Finished upper leather	S X	26 686 2 365	X X	N N
31611011 31332001 00190095	Finished soling leather. mil pairs. Plastics coated, impregnated, or laminated fabrics Sewn uppers, bought from others, not manufactured with materials produced	D X	7 399	X X	N N
00970099 00971000	in the same establishment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X X X	41 484 8 730 15 449	X X X	N N 61 142
00071000	316212, HOUSE SLIPPER MFG		10 440	^	01 142
31332001	Plastics coated, impregnated, or laminated fabrics	x	17 096	X	27 051
32600057 32600035 31699905	Other parts of plastics and natural and synthetic rubber	X X X	D D	X X	4 545 D
32610013	innersoles Plastics products consumed in the form of sheets, rods, tubes, film, and	×	D	X	767
31611009	other shapes	X S	D 17 521	X 11.6	D 16 520
31611011 31611005	Other finished leathermil sq ft.	D D	D D	.6 X	2 692 D
32220017 32521201	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Synthetic rubber, including vulcanizable elastomers.	X	2 581 D	X X	4 898 N
11321001		x	_	x	N
32500053 32510059	Natural rubber	X X X	_ _	X	N N
31320003 00190095	Textile fabrics Sewn uppers, bought from others, not manufactured with materials produced in the game pertablishment	x x	7 523 D	X X	N N
32521105	in the same establishment	x	D	×	N
32600055 32510055	Soles and heels of rubber and plastic	X	1 186	X	N
32510085	inhibitors, peptizers, etc.) All other industrial organic chemicals Outer soles and innersoles of leather, either as finished soles or blockers	X	- -	X X	N N
31699903 32552003 00970099	Outer soles and innersoles or learner, either as tinished soles or blockers Glues and adhesives All other materials and components, parts, containers, and supplies	X X X X	507 16 213	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	2 626	x	779
04000004	316213, MEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG		45 500	v	04.000
31332001 32600057 32600035	Plastics coated, impregnated, or laminated fabrics Other parts of plastics and natural and synthetic rubber Composition cut stock and findings	X X X	15 596 10 765 30 552	X X X	34 068 24 035 32 742
31699905	Leather and other material cut stock and findings except outersoles and innersoles	x	30 332 D	×	67 093
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	×	5 651	X	D
31611009 31611011	Finished upper leather mil sq ft . Finished soling leather mil pairs . Other finished leather mil sq ft .	X S S	321 777 32 483	P195.8 25.2	485 223 61 427 38 846
31611005 32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	28.7 X	14 577 20 520	X X	38 846 D
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	×	35 070	x	N
11321001	Natural rubber	×	D	X	N
32510059 32510085 31320003	Plasticizers All other industrial organic chemicals	X X X	D 31 971	X X X	N N N
31699903 32500053	Textile fabrics	X	19 906 6 608	x x	N N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.) Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	2 114	x	N
32521105	etc.	×	9 885	X	N
32552003 32600055 32521201	Glues and adhesives Soles and heels of rubber and plastic Synthetic rubber, including vulcanizable elastomers	X X X X	11 534 49 011 489	X X X	N N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	104 618 38 050	X X	N 15 477
	316214, WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG				
31332001 32600057	Plastics coated, impregnated, or laminated fabrics Other parts of plastics and natural and synthetic rubber	X X X	16 724 D	X X	32 123 16 914
32600035 31699905	Composition cut stock and findings Leather and other material cut stock and findings except outersoles and		12 956	X	D
32610013	innersoles Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	2 111 1 160	X X	22 505 D
31611009 31611011	other shapes	X S 92.7	91 590 16 814	68.7 P31.5	184 889 36 249
31611005 32220017	Other finished leather	D	D	X	D
31320003	packaging supplies	X	25 699 10 101	X X	14 654 N
32510059 32521201 32510055	Plasticizers Synthetic rubber, including vulcanizable elastomers Rubber processing chemicals (accelerators, antioxidants, blowing agents,	X	D	X X	N N
32552003	inhibitors, peptizers, etc.) Glues and adhesives	X X	2 638	×	N N
		· ·			•

NAICS				1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	316214, WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG— Con.				
32510085	All other industrial organic chemicals	х	D	x	N
32521105 00190095	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	х	D	х	N
32600055	in the same establishment	X	D 9 526	X	N N
31699903 32500053	Outer soles and innersoles of leather, either as finished soles or blockers	X X X X	D 2 551	X X X X	N N N
00970099 00971000	All other materials and components, parts, containers, and supplies	â	27 662 45 784	â	16 118
31332001	316219, OTHER FOOTWEAR MFG Plastics coated, impregnated, or laminated fabrics	x	2 902	x	21 883
32600057 32600035	Other parts of plastics and natural and synthetic rubber Composition cut stock and findings. Leather and other material cut stock and findings except outersoles and	X X X	1 090	X	12 906 D
31699905 32610013	Leatner and other material cut stock and findings except outersoles and innersoles	х	731	х	16 557
31611009	other shapes	X 16.6	D 22 843	X 19.2	D 38 186
31611011 31611005	Finished upper leather mil sq ft. Finished soling leather mil pairs. Other finished leather mil sq ft.	1.6 D	3 777 D	S X	7 250 422
32220017 11321001	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Natural rubber.	X	2 810 D	X X	7 678 N
32500053	All other chemical and allied products		D		N
32510085 32510059	All other industrial organic chemicals	X X X	D -	X X	N N
32521105 31699903	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	X	D 1 837	X	N N
32600055 32521201	Soles and heels of rubber and plastic	X X X X	2 816 D	X X X X	N N
32552003 32510055	Glues and adhesives		1 169		N
31320003 00190095	inhibitors, peptizers, etc.) Textile fabrics Sewn uppers, bought from others, not manufactured with materials produced	X	1 868	X	N N
00970099	in the same establishment All other materials and components, parts, containers, and supplies	X X X	D 14 924	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	15 839	X	4 299
31321023	Broadwoven fabrics (piece goods)	x x	84 607	x	66 056
31332001 32521105	Plastics coated, impregnated, or laminated fabrics	X X	33 295	x x	85 183
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes		8 152 30 874		9 456 19 409
31611001 33251017	Finished leather	X X X X	52 633 38 021	X X X	38 472 37 906 D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	66 104 63 411	X	D
0.4.00.4.000	316992, WOMEN'S HANDBAG & PURSE MFG	,	4 000		7.047
31321023 31332001 32521105	Broadwoven fabrics (piece goods) Plastics coated, impregnated, or laminated fabrics Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	4 333 9 912	X	7 647 8 793
32610013	etc	х	D	X	N
31611001	other shapes	X	3 065 54 097	X X X	6 258 82 01 <u>8</u>
33251017 00970099 00971000	Trunk and luggage hardware, including locks. All other materials and components, parts, containers, and supplies	X X X X	1 573 D 17 299	X X	D D 24 434
3037 1000	316993, PERSONAL LEATHER GOOD (EXCEPT WOMEN'S		17 233		24 404
31321023	HANDBAG & PURSE) MFG Broadwoven fabrics (piece goods)	×	14 724	X	13 304
31332001 32521105	Broadwoven fabrics (piece goods)		12 796	X X	10 928
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .	X X	D D		242 2 093
31611001 33251017	Finished leather Trunk and luggage hardware, including locks. All other materials and components, parts, containers, and supplies	X X X X	42 296 2 115	X X X X	42 586 2 135
00970099 00971000	All other materials and components, parts, containers, and supplies	X	73 229 -28 250	X	52 141 8 791
04404440	316999, ALL OTHER LEATHER GOOD MFG	,		v	
31161119 32500025 31611003	Hides, skins, and pelts. Tanning materials, dressings, dyes, and finishing agents	X	D D D	X X	N N N
31611011 31611007	Finished soling leather	X X X X X	D 4 003	X X X X X	N N
31321023 31332001	Broadwoven fabrics (piece goods) Plastics coated, impregnated, or laminated fabrics	X	15 096 6 827	X	12 709 4 360
32521105 32610013	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	x	331	x	198
31611001	other shapes	X X X X	4 449 66 186	X X X X	5 530 63 547
33251017	Trunk and luggage hardware, including locks	X	4 329 131 870	X	1 239

NAICS	ee appermixes _j	19	97	19	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321113, SAWMILLS				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment).	х	2 198 406	x	N
11331015	Hardwood logs and bolts	S	1 375 891	N	N
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale	s	6 722 869	N	N
32100023 32100029	Hardwood rough lumber mil bd ft. Softwood rough lumber mil bd ft.	9237.0 P442.9	152 355 162 919	N N	N N
32100027 32100033	Hardwood dressed lumber mil bd ft. Softwood dressed lumber mil bd ft. Softwood dressed lumber mil bd ft.	S P270.0	21 214 116 884	N N N	N N N
32552003 00970099 00971000	Glues and adhesives mill b. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies n.s.k.	S X X	13 770 621 137 3 395 267	X	N N N
0007.000	321114, WOOD PRESERVATION	^	0 000 201		
11331013	Poles, piling, and other round or hewn wood products	X X	258 552	X	216 252
32100023 32100029 32100021	Hardwood rough lumber Softwood rough lumber Mil bd ft Dressed lumber Mil bd ft Creosote oil consumed in the same establishment Mil gal	P1 492.4 3 142.4	217 630 649 353 1 436 824	X S P1 704.1	132 317 362 937 540 894
32519219 32519203	Creosote oil consumed in the same establishment mil gal. Pentachlorophenol	P41.7 X	36 215 23 636	946.7 X	38 335 23 985
32518801 00970099	Waterborne preservatives. mil lb (oxide basis). All other materials and components, parts, containers, and supplies	995.0	101 771 71 366	ŝ X X	77 952 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X X	607 522	x	311 859
	321211, HARDWOOD VENEER & PLYWOOD MFG				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment).	х	26 302	x	43 145
11331015 11331017	Hardwood logs and bolts	S	309 087	N	183 229
32121105	Scale Hardwood veneermil sg ft sm.	S S	42 344 442 298	N 2 583.3	54 810 351 179
32121203	Softwood veneermil sq ft (1 in. basis).	s	93 743	867.9	61 515
32121101 32121903	Hardwood plywood mil sq ft sm. Particleboard (wood) mil sq ft (3/4 in.	\$	98 729	S	131 653
32121907	basis) Medium density fiberboard (MDF)	P162.2	51 545 70 397	9181.6 P109.5	43 209 34 872
32552003 00970099	Glues and adhesives	S X X X	43 926 101 310	X X X	29 121 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	328 352	X	150 611
11311000	321212, SOFTWOOD VENEER & PLYWOOD MFG Stumpage cost (cost of timber, excluding land, cut and consumed at same				
11331015	establishment). Hardwood logs and bolts. mil bd ft Intl 1/4 in.	X	346 854	x	440 456
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in.	S	64 617	N	26 595
32121105 32121203	Hardwood veneer mil sq ft sm. Softwood veneer mil sq ft (1 in.	S S	2 145 934 27 355	N P224.1	1 479 952 28 514
32552003	basis)	715.4 X	362 996 207 593	S X X	402 295 197 326
00970099 00971000	Glues and adhesives All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	270 204 279 534	X X	N 94 117
	321213, ENGINEERED WOOD MEMBER (EXCEPT TRUSS) MFG				
32100033	Softwood dressed lumber mil bd ft .	P364.1	186 789	N	N
32121901 00970099	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X X X	88 732 568 160	X	N N
00970099	Materials, ingredients, containers, and supplies, n.s.k.	x	25 921	î x	N
	321214, TRUSS MFG				
32100023 32100029	Hardwood rough lumber	X S	118 469 219 565	X N	N N
32100027 32100033	Hardwood dressed lumber mil bd ft. Softwood dressed lumber mil bd ft.	S P1 501.3	63 174 649 414	N N	N N
32121901 33231201	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard. Fabricated structural iron, steel, and aluminum including truss plates.	X	12 868 81 172	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X X X	66 353 589 416	x X	N N N
	321219, RECONSTITUTED WOOD PRODUCT MFG				
11331019	Logs and boltsmil bd ft Intl 1/4 in.	0	20.004	5	
11331021	Scale Pulpwood	P6 811.0	80 891 400 579	D D	D D
32100015	Chips, slabs, edgings, sawdust, and other wood waste, except planer shavings	8 062.4	243 438	5 767.8	174 538
32100017 32121909	Planer shavings	4 258.9 X	156 008 91 365	4 376.2 X	139 696 37 827
32121907	Medium density fiberboard (MDF) mil sq ft (3/4 in. basis)	S	62 923	P93.3	30 095
32121903 32551003	Particleboard (wood)	S	186 598	P477.0	106 384
32551003	Paints, varnisnes, iacquers, stains, sneliacs, japans, enameis, and aliled products	P8 083.6 S	69 488 36 078	⁹⁷ 496.9 N	62 169 N
32521141	Urea and melamine resins	P2 465.1	331 136	P1 617.2	184 524

NAICS	Industry and materials consumed	1997		1992	
material code		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321219, RECONSTITUTED WOOD PRODUCT MFG—Con.				
32521143 32410009	Phenolic and other tar acid resins mil lb (dry basis) . Petroleum wax mil lb (dry basis) .	9446.9 9334.2	172 516 61 173	9462.2 P266.1	114 166 44 672
00190054 32521113	Vinyl and paper overlaysmil sq ft sm All other plastics resins consumed in the form of granules, pellets, powders, liquids, etc	S X	98 570 8 823	P1 688.8	86 769 27 679
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x X	272 641 256 926	X X X	97 270
	321911, WOOD WINDOW & DOOR MFG				
32100023 32100029	Hardwood rough lumber Softwood rough lumber	X	80 222 140 502	X	N N
32100027 32100033	Hardwood dressed lumber	X	61 840 178 088	X X X X	N N
32191201 32191203 32121101	Softwood cut stock	X X X	579 073 66 552 120 095	X X	N N N
32121101 32121201 32121105	Hardwood plywood. Softwood plywood Hardwood veneer.	x X	35 032 45 278	x X	N N N
32121903	Particleboard (wood)	X	56 581	X	N
32121909 32121907 32552003	Hardboard Medium density fiberboard (MDF) Glues and adhesives	X X X	59 816 40 458 54 397	X	N N N
32721103 32610013	Glass (float, sheet and plate)	â	307 949	X	Ň
32221001	other shapes	X	122 953 37 756	X	N N
33251009 00970099	hardware, etc.)	X	210 947 561 695	X X X	N N
00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	â	1 739 328	â	N
44044000	321912, CUT STOCK, RESAWING LUMBER, & PLANING				
11311000 11331015	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment)	x	26 335	x	N
11331017	Softwood logs and bolts scale.	S	96 710	N	N
32100023	scale Hardwood rough lumber mil bd ft	9795.4	115 983 589 895	N N	N N
32100029 32100027	Softwood rough lumber mil bd ft. Hardwood dressed lumber mil bd ft.	2 286.9 S	935 600 171 834	N N	N N
32100033 00970099 00971000	Softwood dressed lumber mil bd ft. All other materials and components, parts, containers, and supplies materials, ingredients, containers, and supplies, n.s.k.	S X X	751 339 117 343 794 287	N X X	N N N
	321918, OTHER MILLWORK (INCLUDING FLOORING)				
11331015 32100023	Hardwood logs and bolts.	×	80 927 562 285	X	N N
32100029 32100027	Hardwood rough lumber Softwood rough lumber Hardwood dressed lumber Softwood dressed lumber	X X	217 457 78 346	X X	N N
32100033 32191201	Softwood cut stock	X	419 594 75 824	X	N N
32552003 00970099 00971000	Glues and adhesives All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	14 783 290 208 687 109	X X X X X X	N N N
	321920, WOOD CONTAINER & PALLET MFG				
11331019	Logs and bolts	s	148 944	N	N
32100023 32100029	Hardwood rough lumber	X	401 513 131 836	X N	N N
32100027 32100033 00970099	Hardwood dressed lumber mil bd tt . Softwood dressed lumber mil bd ft . All other materials and components, parts, containers, and supplies	P329.4 9592.4 X	103 140 153 095	N N	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	S S	X	N
33100001	321991, MANUFACTURED HOME (MOBILE HOME) MFG Metal mill shapes and forms, including castings (steel, aluminum, etc.)		59 373	_	40 879
33232203 33232205	Steel siding	X X X	51 962 28 096	X X X	40 679 N N
32619903 33291300	Vinyl siding	X	139 996	X	N
33232101 33272203	forgings) Metal doors and door units, windows and window units Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	97 339 247 026	X	40 095 112 290
32612200	products	X	87 779 121 013	X	42 383 50 103
32121003 32121903	Plywood	×	79 078 153 135	X	50 350 68 915
32121905 32742001	Oriented strand board (OSB) and waferboard Gypsum building board: 5/16 inch thick	X	152 431 234 253	X	64 255 N
32742003 32100021	Gypsum building board: greater than 5/16 inch thick	X	85 598 681 978	× × × × × × ×	N 273 147
32191003 33711000 31411001	Wood millwork, including molding, doors, and windows Kitchen cabinets, wood Floor coverings taytile	X X X	153 702 133 473 189 691	X	67 522 50 443 83 307
32619200 00190000	Floor coverings, textile. Linoleum and other hard-surfaced floor covering Heating equipment and air conditioners, including heat pumps.	x X	70 529 111 867	x x	29 272 58 393
001900B3	Current-carrying wiring devices, including switches, connectors, lampholders, etc.	X	143 996	X	74 063
32799303 00190046	Mineral fiber blankets, batts, and boards	X	109 463 47 272	X	64 778 28 551
33251009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.). Household-type furniture, including tables, sofas, beds, mattresses, etc.	x	72 173	x	30 286
33710003 001900B2	Household appliances, including refrigerators, cooking equipment, and other	x x	47 429	x x	32 953 132 740
	household appliances, exc. air conditioners	X	307 029	XΙ	132 740

NAICS	Industry and materials consumed	1997		1992	
material code		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321991, MANUFACTURED HOME (MOBILE HOME) MFG— Con.				
32621003 33600003	Pneumatic tires and inner tubes Trailer axles, wheels, brakes, undercarriages, and other metal vehicular	х	81 633	х	42 627
00970099 00971000	parts Parts All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	325 879 457 579 1 527 376	X X X	157 187 N 564 596
	321992, PREFABRICATED WOOD BUILDING MFG				
32100023 32100029	Hardwood rough lumber	X S	44 019 92 578	X 189.8	24 620 60 821
32100027 32100033 32121201	Hardwood rough lumber	S 9549.0 S	17 254 229 587 48 010	9325.0 9113.9	12 495 127 951 37 733
32742005 33251009	Gypsum building board	X	21 810	Х	16 734
32799301 00190056 32191100	hardware, etc.) Mineral wool insulation (fibrous glass, rock wool, etc.) Windows and window units, including wood, metal, and vinyl thousands.	X X S X	23 735 15 863 63 486 30 150	X X P405.8 X	15 525 13 474 54 921 14 975
33232103	Wood doors and door units Metal doors and door units	⁹ 91.4	16 647	^q 83.2	13 688
33711000 32121901	Kitchen cabinets, wood Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X X	40 253 46 053	X X	30 311 22 366
33232207 33231201 001900B3	Metal siding, including aluminum, steel Fabricated structural iron, steel, and aluminum including truss plates Current-carrying wiring devices, including switches, connectors,	X X	59 912 19 585	X	38 987 15 482
31411001 00970099	lampholders, etc. Floor coverings, textile. All other materials and components, parts, containers, and supplies	X X X	17 671 17 818 170 546	X X X	17 471 18 550 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	624 666	x	448 394
	321999, ALL OTHER MISCELLANEOUS WOOD PRODUCT MFG				
11331015 32100023	Hardwood logs and boltsmil bd ft Intl 1/4 in. scale Hardwood rough lumbermil bd ft	S	72 653 85 519	N N	N N
32100029 32100027	Softwood rough lumber mil bd ft	S S	102 115 21 398	N N	N N
32100033 32191203 32100007	Softwood dressed lumber mil bd ft. Hardwood cut stock and dimension, excluding furniture frames Chips, slabs, edgings, shavings, sawdust, and other wood waste	S X X	71 185 30 131 33 108	N X X	N N N
32121101 32121201	Hardwood plywood. mil sq ft sm. Softwood plywood mil sq ft (3/8 in.	S	27 547	N	N
32121901	basis) Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	S X	22 259 21 266	N X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	^q 1 270.6	15 982	N	N
33200005 32221001 00970099 00971000	Fabricated metal products, including forgings. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	23 068 40 060 194 065 822 336	X X X X	N N N N
	322110, PULP MILLS				
11331005	Spruce and true fir pulpwood bolts and logs	D	D	D	D
11331007 11331009	Hemlock pulpwood bolts and logs	D	D	1 183.8	94 864
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine	3 059.4	241 385	4 669.2	301 477
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues	D	D	D	D
11331011	Cords Southern mixed hardwood pulpwood bolts and logs	3 026.2	257 514	4 940.6	459 838
11331025	Other hardwood pulpwood bolts and logs	D D	D D	2 866.6 1 270.6	175 296 80 636
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues				
32518103 32518107	Chlorine (100 percent Cl basis)	1 199.7 63.9 430.3	94 581 13 576 79 515	1 939.1 268.6 688.8	131 853 24 197 178 918
32518823 32510007	Sodium chlorate (100 percent NaClO3)	169.8 X	54 820 11 765	281.6 X	96 327 10 916
32518813 32599811 32741003	Aluminum sulfate (17 percent Al2O3)	⁹ 10.8 - 132.5	1 170 - 8 815	20.6 9.1 314.1	2 340 3 801 21 055
21232400 31122113	Kaolin and ball clay	D D	D D	114.8 67.2	17 317 12 177
32521131 32513103 32518829	Synthetic resins mill b. Titanium dioxide, composite and pure (100 percent TiO2) mill b. Calcium carbonate, precipitated (100 percent CaCO2) 1,000 s tons	D D -	D D -	D 16.7 D	D 14 371 D
32500009 32210029	All other chemicals, including organic. Woodpulp produced at affiliated or associated mills at other locations 1,000 s tons (dry	х	98 221	X	155 742
32210031	basis) Woodpulp purchased market wood pulp	-	-	D	D 01 001
00190006 00190007	Mixed wastepaper, except plant's own broke paper	D 630.4 —	D 79 372 –	42.6 D N	21 261 D N
00190072 00190073 00190009	Other mechanical wastepaper, except plant's own broke paper	_ D D	_ D D	14.2 D	N 925 D
00190009	High grade deinking wastepaper, except plant's own broke paper	D	D	D	D

of terms, s	ee appendixes]	400-	_		
NAICS material	Industry and materials consumed	1997		1992	
code	industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322110, PULP MILLS—Con.		, , ,	,	<u> </u>
31122305		D	D	429.7	44 872
32210033 00190015	Cotton linters (net weight) mil lb. Linter pulp 1,000 s tons. Other fibrous materials, including rags, straw, and bagasse 1,000 s tons.	_ D	_ D	N D	N D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	_	x	N
31323001 001900A2	Nonwoven fabrics. mil sq yd. Packaging paper and plastics film, coated, laminated, printed, etc. Glues and adhesives mil lb.	$\frac{2}{x}$	5 398	Ñ	N N
32552003 32221001	Glues and adhesives		492 D	N	N 3 278
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	.4 X X	156 863 24 614	X X X	N 8 660
00971000		^	24 614	^	8 000
11331005	322121, PAPER (EXCEPT NEWSPRINT) MILLS Spruce and true fir pulpwood bolts and logs				
11331007	Cords Hemlock pulpwood bolts and logs	1 203.9	130 244	N	N
	Southern pine pulpwood bolts and logs	683.1	54 854	N	N
11331009	cords	10 905.4	572 060	N	N
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine	0.000.0	100 711		
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill	2 368.6	122 711	N	N
	residues	10 211.5	681 989	N	N
11331011	Southern mixed hardwood pulpwood bolts and logs	P7 743.4	431 852	N	N
11331025	Other hardwood pulpwood bolts and logs	8 933.0	489 739	N	N
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues				
32518103	cords	8 416.1 365.0	562 000 82 021	N N	N N
32518107	Chlorine (100 percent Cl basis)	1 257.8	247 702	N	N
32518823 32510007	Sodium chlorate (100 percent NaClO3)	682.9 X	241 576 45 345	N X	N N
32518813 32599811	Other sodium compounds. Aluminum sulfate (17 percent Al2O3). Rosin sizing	149.6 188.5	19 616 93 225	N N	N N
32741003 21232400	Lime	734.3 2 036.2	40 967 322 274	N N	N N
31122113 32521131	Kaolin and ball clay 1,000 s tons. Starch	2 192.1 425.1	419 869 279 707	N N	N N
32513103 32518829	Synthetic resins mil lb. Titanium dioxide, composite and pure (100 percent TiO2) mil lb. Calcium carbonate, precipitated (100 percent CaCO2) 1,000 s tons.	382.7 1 832.8	326 403 261 717	N N	N N
32500009	All other chemicals, including organic	X	1 473 728	x	N
32210029	Woodpulp produced at affiliated or associated mills at other locations	1 980.7	889 868	N	N
32210031	Woodpulp purchased market wood pulp	7 825.0	3 259 888	N	N
00190006 00190007	Mixed wastepaper, except plant's own broke paper	1 819.1 446.6	367 079 22 997	N N	N N
00190072 00190073	Other mechanical wastepaper, except plant's own broke paper	313.3 1 597.1	38 654 235 975	Ň	N N
00190009 00190010	High grade pulp substitutes wastepaper, except plant's own broke paper	439.7 P1 448.3	133 513 282 329	Ň	N N
31122305	Cotton linters (net weight)	970.0	38 509	N	N
32210033 00190015	Linter pulp	S 284.2	27 455 106 516	N N	N N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	52 209	×	N
31323001	Nonwoven fabrics mil sq yd.	ŝ	172 684	Ñ X	N
001900A2 32552003	Packaging paper and plastics film, coated, laminated, printed, etc. Glues and adhesives mill lb.	100.9	413 098 76 275	N	N N
32221001 00970099	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X	481 771 3 332 075	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	×	792 906	X	N
	322122, NEWSPRINT MILLS				
11331005	Spruce and true fir pulpwood bolts and logs	819.1	73 149	N	N
11331007	Hemlock pulpwood bolts and logs	D	D	N	N
11331009	Southern pine pulpwood bolts and logs	3 884.2	255 406	N	N
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine	0 004.2	200 400		
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill	D	D	N	N
02 100003	residues	1 855.7	148 846	N	N
11331011	Southern mixed hardwood pulpwood bolts and logs			N	N N
11331025	Other hardwood pulpwood bolts and logs	336.6	20 127		
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill	D	D	N	N
00510100	residues	589.0	38 462	N	N
32518103 32518107	Chlorine (100 percent Cl basis)	56.1 165.8	13 330 28 261	N N	N N
32518823	Sodium chlorate (100 percent NaClO3)	34.3	12 485	Ŋ	N
32510007 32518813	Other sodium compounds	X 83.3	54 195 14 944	X N	N N
32599811 32741003	Rosin sizing mil lb (dry basis) Lime 1,000 s tons	13.9 79.3	5 460 5 455	N N	N N
21232400 31122113	Kaolin and ball clay	249.0 44.6	51 317 11 256	N N	N N
32521131 32513103	Synthetic resins mil lb. Titanium dioxide, composite and pure (100 percent TiO2) mil lb.	D 3.2	D 2 878	N N	N N
	-, · · · · · · · · · · · · · · · · · · ·	'			• •

		е арренилес)	199	7	199	2
Section continues to produce of the person (CaClOs) 1,000 a terms 1,34	material	Industry and materials consumed	Quantity		Quantity	
A continued by the property of the property		322122, NEWSPRINT MILLS—Con.				
No. No.	32500009	All other chemicals, including organic	X	245 177	X	
Miscal entertainment and company of the company o	32210031	basis). Woodpulp purchased market wood pulp1,000 s tons (dry				
Comment Comm		Mixed wastepaper, except plant's own broke paper	273.1	26 303	N	N
High grinds pulse sichestware washingsgered, recovery famility own broken planer 1,000 s from 1,000 s fro	00190072	Other mechanical wastepaper, except plant's own broke paper1,000 s tons	276.4	19 707	N	N
Perfect production consumed in the form of emeric, rost, Liuses, thin, and yes,	00190009	High grade pulp substitutes wastepaper, except plant's own broke paper	D	D	N	N
Perfect production consumed in the form of emeric, rost, luties, thin, and yes,		Cotton linters (net weight) mil lb			N	N
Newwork labeled Newwork labeled New	00190015 32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and				
Section of processing and processi		Nonwoven fabrics mil sq vd	_	-	N	N
2007/17/100 All-other naterials and components, parts, containers, and aupplies X N N Section X N Section X N N Section X Se	32552003	Glues and adhesives mil lb.	D		N	N
1331007 Southern miner pulywood bottls and logs	00970099	All other materials and components, parts, containers, and supplies	X	305 116 36 429	X	N
1331005 Spruce and true fir pulpmood boits and logs						
1331003 Hemisck pulpwood bolts and logs 1,000 standard 1,000 stand	11331005	Spruce and true fir pulpwood bolts and logs	_	_		
11331023 Southern pine pulywood bolts and logs 1.000 standard cords 1.000 standard	11331007	Hemlock pulpwood bolts and logs				
11331025 Other softwood pulpwood botts and logs, including Douglas fir and Jack profits Double	11331009	Southern pine pulpwood bolts and logs	-			
Settlemon	11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine				
1331011 Southern mixed hardwood pulpwood bolts and logs	32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues				
11331025 Other hardwood pulpwood boils and logs 1,000 standard 1,0	11331011	Southern mixed hardwood pulpwood bolts and logs				
Hardwood pulywood wood chips, slabs, cores, sawdust, bark, and other mill residues 1,000 standard residues 1,000 sta	11331025	Other hardwood pulpwood bolts and logs				
Chlorine (100 percent Cl basis)	32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill	F1 455.7	97 329	1 214.1	04 241
2251007 Other sodium compounds	32518103 32518107	cords	130.9	29 133	172.8	20 904
1000 1000	32518823	Sodium chlorate (100 percent NaClO3)				50 507
1000 1000	32518813	Aluminum sulfate (17 percent Al2O3)	292.1	29 152	246.9	26 510
Systhetic resins Synthetic r	32741003	Lime	510.6	33 374	361.3	23 464
32513103 Tifanium dioxide, composite and pure (100 percent TiO2) mill b. 85.2 89.38 95.1 85.297 97.83	31122113	Synthetic resinsmil lb.	879.7	165 875	496.4	103 792
Woodpulp produced at affiliated or associated mills at other locations 1,000 s tons (of y basis), 156.9 72 515 D D	32513103	Titanium dioxide, composite and pure (100 percent TiO2)	85.2	89 338	95.1	85 297
Woodpulp purchased market wood pulp		Woodpulp produced at affiliated or associated mills at other locations 1,000 s tons (dry				
Mixed wastepaper, except plant's own broke paper 1,000 s tons. P1 951.9 71 920 1215.2 44 374	32210031	Woodpulp purchased market wood pulp				
Other mechanical wastepaper, except plant's own broke paper 1,000 s tons. 16 088.0 1 725 959 10 020.5 599 443 00190007 00190071	00190006	Mixed wastepaper, except plant's own broke paper	P1 951.9	71 920	⁹ 1 215.2	44 374
DOI 190009 High grade pulp substitutes wastepaper, except plant's own broke paper 1,000 s tons. 122.1 17 710 189.5 35 157 17 710 189.5 17 7	00190072	Other mechanical wastepaper, except plant's own broke paper1,000 s tons	821.4	51 526	548.4	31 460
Cotton Inters (net weight) Cotton Inters (net weight) Cotton Inters (net weight) Cotton Inters (net weight) Cotton Inter pulp Inter pulp	00190009	High grade pulp substitutes wastepaper, except plant's own broke paper1,000 s tons.	662.9	110 750	546.4	117 144
Doctor College Colle		Cotton linters (net weight)				
Nonwoven tabrics Nonwoven ta	00190015	Other fibrous materials, including rags, straw, and bagasse	D	D	D	D
S2552003 Glues and adhesives mill b S 977 N X 57 546		Nonwoven fabrics mil sq yd.	D	D	N	N
00970099 All other materials and components, parts, containers, and supplies X 1 203 162 X 99 131	32552003	Glues and adhesives mil lb.	S	977	N	N
Paper and paperboard, except boxes and containers 1,000 s tons P32 394.3 11 407 691 P27 070.2 10 014 502	00970099	All other materials and components, parts, containers, and supplies	X	1 203 162	X	N
Saction Fabricated plastics products, including closures, ends, film, and strapping, etc. X 125 333 X 47 450 X Steel sheet and strip, including tin plate X D X N X Steel sheet and strip, including tin plate X D X N X N X X X X X X		322211, CORRUGATED & SOLID FIBER BOX MFG				
etc. X 125 333 X 47 450 X 3312017 Steel sheet and strip, including tin plate X D X N X N X X X X X X	32210005 32610021	Fabricated plastics products, including closures, ends, film, and strapping,				
33211500 Metal closures and crowns for containers X 1 438 X N 3241009 Petroleum wax mil lb. 9346.2 120 360 9286.4 95 045 32552003 Glues and adhesives X 202 072 X 214 446 32591003 Printing ink. mil lb. S 153 719 S 132 162 00970099 All other materials and components, parts, containers, and supplies. X 858 887 X 599 358	33120017	Steel sheet and strip, including tin plate	X	D	X	N
32552003 Glues and adhesives X 202 072 X 214 446 32591003 Printing ink S 153 719 S 132 162 00970099 All other materials and components, parts, containers, and supplies X 858 887 X 599 358	33211500	Metal closures and crowns for containers	x	1 438	X	N
00970099 Olympia All other materials and components, parts, containers, and supplies X 858 887 X 599 358 00971000 Materials, ingredients, containers, and supplies, n.s.k X 1 913 450 X 1 119 189	32552003	Glues and adhesives	X	202 072	X	214 446
	00970099	All other materials and components, parts, containers, and supplies	X	858 887	×	599 358

	ee appendixes]	1997	,	1992		
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
	322212, FOLDING PAPERBOARD BOX MFG					
32210005 32610021	Paper and paperboard, except boxes and containers	94 978.8	3 071 644	94 718.2	2 947 345	
33120017	etc	X	50 322 D	×	29 969 N	
33131503 33211500	Aluminum sheet, plate, and foil	X	20 303 D	X X X S X	N N	
32410009 32552003 32591003	Petroleum wax	12.3 X P67.5	6 440 37 520 210 940	X 485.2	5 667 29 704 219 414	
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	496 848 482 868	765.2 X X	432 368 355 813	
	322213, SETUP PAPERBOARD BOX MFG					
32210005 32610021	Paper and paperboard, except boxes and containers	S	109 286	S	85 936	
33120017	etc. Steel sheet and strip, including tin plate.	X	5 307 27	X X X N	2 343 N	
33131503 33211500 32410009	Aluminum sheet, plate, and foil Metal closures and crowns for containers	X	713 187	X	N N N	
32552003 32591003	Glues and adhesives Printing ink mil lb.	X S	3 013 1 166	X	3 721 2 293	
00970099 00971000	All other materials and components, parts, containers, and supplies	X	31 655 41 670	X S X X	N 55 699	
	322214, FIBER CAN, TUBE, DRUM, & SIMILAR PRODUCTS MFG					
32210005 32610021	Paper and paperboard, except boxes and containers	P1 590.7	683 671	1 112.1	423 980	
33120017	etc. Steel sheet and strip, including tin plate Aluminum sheet, plate, and foil Metal closures and crowns for containers	X	21 771 60 738	X X X S S X	13 816 N	
33131503 33211500 32410009	Aluminum sneet, piate, and roil Metal closures and crowns for containers Petroleum wax mil lb.	X X S	6 508 81 783 280	X	N N 1 105	
32552003 32591003	Glues and adhesives	X	48 312 1 119	X	31 140 5 242	
00970099 00971000	Printing ink	X	218 784 101 694	X	239 860 142 270	
	322215, NONFOLDING SANITARY FOOD CONTAINER MFG					
32210005 32610021	Paper and paperboard, except boxes and containers	P1 330.6	1 031 160	1 236.0	975 792	
33120017 33131503	etc. Steel sheet and strip, including tin plate	X X X	42 349 D	X	37 628 N	
33211500 32410009	Metal closures and crowns for containers	X 90.5	D - 29 168	X X 115.6	N N 36 247	
32552003 32591003	Glues and adhesives Printing ink mil lb.	X P11.3	D 37 716	X P12.9	5 794 34 176	
00970099 00971000	All other materials and components, parts, containers, and supplies	X	172 252 62 689	X	N 116 818	
	322221, COATED & LAMINATED PACKAGING PAPER & PLASTICS FILM MFG					
32212007 32521105	Paper	533.6	511 054	N	N	
32610013	etc	135.2	76 944	N	N	
33131509	other shapes	X 23.7	76 512 42 849	X N	N N	
32552003 32591003 32221001	Glues and adhesives Printing ink Paperboard containers, boxes, and corrugated paperboard mil lb.	P12.9	10 785 33 837 10 636	X	N N N	
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	87 323 50 659	X X X	N N N	
	322222, COATED & LAMINATED PAPER MFG					
32212007 32521105	Paper	^q 2 101.7	2 249 078	N	N	
32610013	etc	X	310 534	×	N	
31332007	other shapes	X	379 854 178 330	X	N N	
32552003 32591003 32221001	Glues and adhesives Printing ink Paperboard containers, boxes, and corrugated paperboard	X X X X	467 559 75 126 145 991	X	N N N	
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	1 090 387 611 656	X X X X X	N N	
	322223, PLASTICS, FOIL, & COATED PAPER BAG MFG					
32212007 32521105	Paper	P124.5	129 621	N	N	
32610013	etc	P12.8 X	7 392 19 865	N X	N N	
33131509 32552003	Aluminum foil, plain mil lb. Glues and adhesives	3.1 X	4 333 11 919	N	N N N	
32591003 32221001	Printing inkmil lb. Paperboard containers, boxes, and corrugated paperboard	3.4	8 668 6 408	X N X	N N	
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	28 679 13 548	X X X	N N	

NAICS	Industry and materials consumed		,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322224, UNCOATED PAPER & MULTIWALL BAG MFG				
32212007 32521105	Paper	P1 700.2	1 030 582	P2 380.4	1 318 532
32610013	etc	P104.0	50 380	P227.0	91 529
33131509 32552003	other shapes Milling M	X D X	D D 49 481	X N X	47 076 N 44 768
32591003 32221001	Printing ink. mil lb. Paperboard containers, boxes, and corrugated paperboard	934.1	67 670 29 837	P40.0 X	64 570 25 900
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	108 865 181 369	X	N 34 529
	322225, LAMINATED ALUMINUM FOIL MFG FOR FLEXIBLE PACKAGING USES				
33131507 32222503	Aluminum and aluminum-base alloy plain foil mil lb. Aluminum foil, converted (quantity represents metal content) mil lb.	P82.0 982.9	120 025 135 996	N N	N N
33200089 32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and	D	D	N	Ň
32500069	other shapes Other chemicals and allied products Glues and adhesives, including synthetic resin adhesives mil b.	X	250 395 D	X N	N N
32552005 32591003	Printing inkmil lb.	q30.3 27.6	39 737 57 721	N N	N N
32220017 00970099	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies.	X X X	117 235 148 324	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	21 550	x	Ň
32210005	322226, SURFACE-COATED PAPERBOARD MFG Paper and paperboard, except boxes and containers	1 023.7	598 591	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes		94 274		N
32552003 32591003	Glues and adhesives	X X X X	17 001 3 470	X X X X	N N
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X	7 678 36 970	XXX	N N N
30971000	322231, DIE-CUT PAPER & PAPERBOARD OFFICE	^	8 977	^	IN
32210005	SUPPLIES MFG Paper and paperboard, except boxes and containers	9913.4	638 487	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	16 501	x	Ŋ
32552003 32591003 32221001	Printing ink	×	5 943 9 300	X X X X	N N N
00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	50 617 72 861 220 828	X	N N N
	322232, ENVELOPE MFG				
32210005 32610013	Paper and paperboard, except boxes and containers	P1 312.3	1 012 504	q1 110.0	787 531
32552003	other shapes	X	95 119 39 940	X	N 36 545
32591003 32221001	Printing ink. Paperboard containers, boxes, and corrugated paperboard	X X X X	26 294 109 551	X	72 049
00970099 00971000	All other materials and components, parts, containers, and supplies	â	112 206 267 673	X	220 061
00400005	322233, STATIONERY, TABLET, & RELATED PRODUCT MFG	V		V	N.
00190005 32210005 32521105	Recovered paper, all types Paper and paperboard, except boxes and containers 1,000 s tons Plastics resins consumed in the form of granules, pellets, powders, liquids,	840.0	669 517	9594.2	396 382
32610013	etc	Х	D	X	N
31332007	other shapes	X	7 809 25 235	X	N 4 618
32552003 32591003 32221001	Glues and adhesives Printing ink. Paperboard containers, boxes, and corrugated paperboard	X X X X X	7 987 3 342 80 506	X X X	4 688 3 953 21 729
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x X	76 756 66 037	x x	155 240
	322291, SANITARY PAPER PRODUCT MFG				
32210027 32212007	Woodpulp (air dry basis)	303.6 P978.8	195 016 778 926	N N	N N
32521105 32610013	etc	95.2	94 409	N	N
31323001	other shapes	P5 731.8	275 462 471 836	X N	N N
001900A2 32552003 32221001	Packaging paper and plastics film, coated, laminated, printed, etc	180.2	119 935 115 351 166 655	X	N N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	X X X	580 862 363 324	X X X	N N
	322299, ALL OTHER CONVERTED PAPER PRODUCT MFG		00.500		
00190005 32210005 32521105	Recovered paper, all types Paper and paperboard, except boxes and containers Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	39 522 589 513	X	N N
32610013	etc	X	5 135	Х	N
31332007	other shapes Coated or laminated fabrics, including vinyl coated Glues and adhesives	X X X X	17 985 6 363	X X X	N N
32552003		V	17 269	V	N

NAICS	ee apperuixes _j	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322299, ALL OTHER CONVERTED PAPER PRODUCT MFG— Con.				
00970099 00971000	All other materials and components, parts, containers, and supplies	X	394 654 445 057	X	N N
	323110, COMMERCIAL LITHOGRAPHIC PRINTING				
32212203 32212009 32212011 32200011 32200013 32222200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	× × × × × × × × × × × × × × × × × × ×	1 218 520 1 142 820 2 075 071 1 867 288 2 247 303 173 999 32 135 40 567 1 004 209 226 323	x x x x x x x x	N N N N N N N N N N N N N N N N N N N
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × ×	154 106 187 253 2 241 151 982 213 641 1 136 750 4 786 970	X X X X X	N
32212203 32212009 32212011 32200011 32200013 32222200 31320001 32552003 32591003 32599203	323111, COMMERCIAL GRAVURE PRINTING Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	× × × × × × × × ×	D 36 411 649 889 D 228 168 43 830 D 6 112 447 335 2 163	x x x x x x x x	N N N N N N N N N N N N N N N N N N N
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing. Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × ×	1 982 3 020 11 082 16 636 D 152 202 170 766	x x x x x x	N N N N N N N N N N N N N N N N N N N
	323112, COMMERCIAL FLEXOGRAPHIC PRINTING				
32212203 32212009 32212011 32200011 322020013 32222200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in sheets Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	x x x x x x x	D 14 175 97 609 11 700 164 891 624 832 D 16 860 104 252 6 398	X X X X X X X	N
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × ×	7 415 31 634 3 332 19 257 2 254 317 464 451 914	x x x x x x	N N N N N N N N N N N N N N N N N N N
	323113, COMMERCIAL SCREEN PRINTING				
32212203 32212009 32212011 32200011 3220200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in rolls Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	x x x x x x x	1 222 13 339 2 684 27 323 7 130 196 422 4 727 13 800 81 158 8 009	x x x x x x x	N N N N N N N N N N N N N N N N N N N
32599201 32312201 32312209 32221001 32223200 31321003 31321013 31321009 31321021 31322103	Unexposed photosensitive printing plates Printing plates, prepared for printing. Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes Cotton broadwoven fabrics (piece goods). mil sq yd. Polyester broadwoven fabrics (piece goods). mil sq yd. Rayon and acetate broadwoven fabrics (piece goods). mil sq yd. Other broadwoven fabrics (piece goods). mil sq yd. Narrow fabrics (12 inches or less in width). mil sq yd.	2 N N N N N N N N N N N N N N N N N N N	655 3 043 D 13 893 1 977 33 286 10 520 D 5 308	x x x x x x x x	N N N N N N N N N N N N N N N N N N N
31311003 31332001 31500000 00970099 00971000	Yarn, all fibers	S S X X	2 497 S 632 285 443 522 881 941	X X X X	N N N N

NAICS		1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
-	323114, QUICK PRINTING				
32212203 32212009 32212011 32200011 32200013 32222200 31320001 32552003	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in sheets Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives	x x x x x x x	3 150 107 230 10 887 24 454 1 951 7 439 - 2 007	x x x x x x x	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
32591003 32599203	Printing ink. Light sensitive films and papers.	×	6 762 3 211	X	N N
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	2 734 3 563 158 3 484 32 047 65 146 838 047	X X X X X	N
20010000	323115, DIGITAL PRINTING	v		V	N
32212203 32212009 32212011 32200011 3220200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in sheets Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonworn fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	x x x x x x x	5 113 D 3 996 635 2 228 D 1 151 944	X X X X X X X	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing. Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	D - 307 344 8 563 86 962	X X X X X	N N N N N
	323116, MANIFOLD BUSINESS FORM PRINTING				
32200015 32212019 32212021 32212023 33994400 32222200 32591003 32221001 00970099 00971000	Coated paper Uncoated paper Carbonless paper Carbonless paper Carbonizing tissue stock for conversion into one-time carbon paper One-time carbon paper Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Printing ink. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x	273 953 971 572 527 997 8 801 26 169 31 154 27 784 72 683 201 733 1 240 326	X X X X X X X	1 376 095 N 16 538 55 119 73 186 N N N N
	323117, BOOK PRINTING				
32212203 32212009 32212011 32200011 32202200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in rolls Coated paper in rolls Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	X X X X X X X	44 107 183 667 389 580 143 527 280 369 20 285 46 058 32 401 69 164 35 815	X X X X X X X	35 739 116 646 314 599 149 305 194 917 14 494 55 942 29 327 65 043 29 861
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing. Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	38 342 30 924 D 62 002 D 196 645 269 118	X X X X X	23 592 34 200 N 60 180 N N 178 212
	323118, BLANKBOOK, LOOSELEAF BINDER, & DEVICE MFG				
32200015 32212011 32212009 32213001	Coated paper Uncoated paper in rolls Uncoated paper in sheets Paperboard (including news, chip, pasted, tablet, check, binders' board),	X X	30 306 12 941	X X X	N N N
32221001 31332005 32311000 32610001 001900D4 33120095 32591003 32212021 00970099 00971000	except for shipping Paperboard containers, boxes, and corrugated paperboard Coated or impregnated woven and nonwoven fabrics, except rubberized Metal and plastic looseleaf components, including ring type Plastics film and sheet All other plastics consumed, except looseleaf devices and components Steel, strip and wire Printing ink Carbonless paper All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x x	90 660 39 611 16 604 90 289 164 288 12 780 14 633 3 954 2 589 176 564 157 714	x x x x x x x x	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
	323119, OTHER COMMERCIAL PRINTING				
32212203 32212009 32212011 32200011 32200013 32222200 31320001 32552003 32591003 32599203	Newsprint Uncoated paper in sheets Uncoated paper in rolls Coated paper in sheets Coated paper in sheets Coated paper in sheets Coated paper in rolls Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc. Cloth and nonwoven fabrics for hardbound book covers Glues and adhesives Printing ink Light sensitive films and papers	X X X X X X	39 589 44 814 69 505 16 753 23 218 101 098 D 970 14 470 4 103	X X X X X X X	X

	ee appendixes]	1997		1992	
NAICS material code	Industry and materials consumed		Delivered cost		Delivered cost
	323119, OTHER COMMERCIAL PRINTING—Con.	Quantity	(\$1,000)	Quantity	(\$1,000)
32599201 32312201 32312209 32221001 32223200 00970099 00971000	Unexposed photosensitive printing plates Printing plates, prepared for printing. Engraved printing cylinders for gravure printing Paperboard containers, boxes, and corrugated paperboard Purchased envelopes All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	2 711 8 232 D 7 340 11 760 98 837 680 109	X X X X X	N
	323121, TRADEBINDING & RELATED WORK				
32200015 32212011 32212009 32213001	Coated paper . Uncoated paper in rolls Uncoated paper in sheets Paperboard (including news, chip, pasted, tablet, check, binders' board),	X X X	10 201 6 011 10 576	X X X	15 356 N N
32221001 31332005 32311000 32610001 001900D4 33120095 32212021 32591003 00970099 00971000	except for shipping Paperboard containers, boxes, and corrugated paperboard Coated or impregnated woven and nonwoven fabrics, except rubberized Metal and plastic looseleaf components, including ring type Plastics film and sheet All other plastics consumed, except looseleaf devices and components Steel, strip and wire Carbonless paper Printing ink All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × × × ×	19 017 29 514 13 378 3 791 5 149 2 045 4 250 584 4 037 136 582 121 257	× × × × × × × × ×	13 124 10 781 10 493 5 255 5 344 1 890 3 648 N N N N
33100005	323122, PREPRESS SERVICES Metal for printing plates.	x	13 648	x	N
32599201 32599211 32599213	Metal for printing plates Unexposed photosensitive printing plates Light sensitive films Light sensitive papers (including photographic paper and diffusion transfer	x x	39 087 93 901	x x	N N
33331500 32212001	paper) Color proofing materials Paper, all types except light sensitive (including newsprint, book, bond, cover, and coated)	X	8 442 75 068	X	N N
00970099 00971000	cover, and coated). All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	35 119 133 471 306 697	X X X	N N N
	324110, PETROLEUM REFINERIES				
21111103 00999830 00999827	Domestic crude petroleum, including lease condensate mil bbl.	2 801.5 2 495.9	47 220 759 48 172 988	2 745.7 2 231.8	51 201 568 39 635 397
21111205 21111207 21111203 21111021 21111023 21111209 32411013	Foreign unfinished oils (received from foreign countries for further processing) mil bbl Ethane (C2), at least 80 percent purity mil bbl Propane (C3), at least 80 percent purity mil bbl Butane (C4), at least 80 percent purity mil bbl Gas mixtures (C2, C3, C4) mil bbl Isopentane and natural gasoline mil bbl Isopentane and natural gasoline mil bbl Benzol (benzene) (100 percent C6H6) mil bbl mil bbl mil bbl	P127.1 D P18.0 80.1 948.3 65.1 90.3 4.2	2 373 376 D 269 928 1 567 875 952 009 1 381 100 1 427 123 132 027	81.7 D 24.2 105.8 41.7 63.1 30.6 3.8	1 477 273 D 285 071 1 815 270 773 212 1 212 225 564 336 141 585
32519213 32500017 32500019 31100013 32518825 32518107 32518805 33240000 32610035 32220015 32221400	Toluene and xylene (100 percent basis)	s s s d x s s d x x x x x x x x	230 359 262 228 200 005 D 647 040 41 741 56 514 60 531 20 757 18 404	3 031.1 447.4 P246.0 D X 346.5 1 742.2 X X	312 916 348 863 169 655 D 543 623 62 529 117 434 17 113 35 586 7 680
32410007 00970099	Cost of materials received from petroleum refineries and lube manufacturers	P226.8 X	4 981 370 3 850 071	264.0 X	4 712 799 4 480 452
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	4 779 890	â	247 238
32212033 32799203 32721205 32411025 32411027 32411029 21232003 00970099 00971000	324121, ASPHALT PAVING MIXTURE & BLOCK MFG	- S .1 S .5 S S X X	5 337 445 1 282 117 9 949 44 326 702 613 423 838 962 913	N N 47.8 9.3 3.0 68 567.0 X	N N N 733 043 4 013 54 418 386 064 N 567 805
	324122, ASPHALT SHINGLE & COATING MATERIALS MFG				
32411025 32411029 32411029 32212033 32721205 32799203 21232003 00970099 00971000	Paving grade asphalts	94.1 S S S 9614.0 95 360.3 P2 777.9 X	96 053 718 578 68 713 152 890 368 335 427 847 53 676 646 875 246 280	4.5 29.4 S 563.3 S 5 530.2 2 394.5 X	74 077 514 586 39 666 104 777 347 300 358 632 48 547 510 021 130 808
	324191, PETROLEUM LUBRICATING OIL & GREASE MFG				
00999830 21111103 21111207 32519213 32500017 32500019 31100013 32518825	Foreign crude petroleum, including lease condensate	D S D D S S S 214.7 X	D 143 352 D D 43 890 437 372 129 591	N N N 170.1 530.2 208.9 X	N N N 114 196 420 776 80 267 N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	324191, PETROLEUM LUBRICATING OIL & GREASE MFG— Con.				
32518107 32518805 33240000 32610035 32220015 32221400	Sodium hydroxide (caustic soda)(100 percent NaOH)	929.6 S X X X	10 421 4 832 76 462 194 292 58 150 27 947	16.7 7.7 X X X	2 916 983 96 224 206 436 54 408
32410007 00970099	Cost of materials received from petroleum refineries and lube manufacturers	s	1 362 066 442 119	56.4 X	1 563 991 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	762 221	x	367 063
32518805	324199, ALL OTHER PETROLEUM & COAL PRODUCTS MFG Sulfuric acid (100 percent H2SO4), except spent	S	1 600	N	N
32410007 00970099 00971000	Cost of materials received from petroleum refineries and lube manufacturers	S X X	285 156 460 837 116 187	N X X	N N N
	325110, PETROCHEMICAL MFG	_			
32518807 32518809 32531101 32518805 32531103 32518103 32518107 32500071 32512001 32519300	Hydrochloric acid (100 percent HCl)	D - D 63.3 D D 165.8 X X	D - D - D - D - D - D - D - D - D - D -	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
32510067 32519213 32519205 32519231 32411013 32519223 32519233 32510075 325100A5 21111013	Other alcohols, including amyl, butyl, methyl, and propyl Toluene and xylene (100 percent basis)	X 1 340.1 D S - D D D X 282.4	145 825 D D 480 890 - D 100 179 157 787	X X N N N N N	N N N N N N N N
32411031 32411033 32411035 32411037 32411039 32411041 00190012 21239303 32521105	Ethane used as a raw material or feedstock. mil lb. Ethylene used as a raw material or feedstock. mil lb. Propane used as a raw material or feedstock. mil lb. Propylene used as a raw material or feedstock. mil lb. Butane and iso-butane used as a raw material or feedstock mil lb. Butylene and iso-butylene used as a raw material or feedstock mil lb. Suffur hydrocarbons used as raw material or feedstock mil lb. Suffur suffer hydrocarbons used as raw materials or feedstocks mil lb. Suffur suffer hydrocarbons used as raw materials or feedstocks mil lb. Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb.	908.8 S S P4 212.4 S X D	946 212 166 353 614 222 695 111 434 005 77 852 1 844 138 D	N N N N N N N	N
11100033 33300015	Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Parts and attachments for machinery and equipment	X X	D 48 196	x x	N N
32221001 33240000 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	1 800 050 403 969	x x x	N N N
32531201	325131, INORGANIC DYE & PIGMENT MFG Phosphoric acid, except spent (100 percent P205)	3.5	1 326	N	N
32518805 32518103 32518105 32518105 32518107 00190031 325000A5 32510091 21239303 21220021	Sulfuric acid (100 percent H2SO4), except spent 1,000 s tons. Chlorine (100 percent Cl basis) 1,000 s tons. Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons. Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. Salt in brine 1,000 s tons. Other industrial inorganic chemicals Synthetic organic chemicals Sulfur 1,000 res, including tungsten, chromite, manganese, molybdenum, and cobalt	P209.5 772.0 S S D X X X	11 493 107 720 7 986 29 318 D 214 660 14 487 D	N N N N X X	N N N N N N N N N N N N N N N N N N N
21220023	Nonferrous metal ores, including copper, mercury, vanadium, titanium, platinum, etc.	х	412 435	x	N
21239001 32419903 33300015 32221001 33240000 00970099 00971000	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc. Coke including breeze, used as a raw material	387.5 X X X X X	13 818 48 004 59 521 21 090 D 305 812 110 882	X N X X X X	N N N N N N N N N N N N N N N N N N N
	325132, SYNTHETIC ORGANIC DYE & PIGMENT MFG				
32518807 32531101 32518805 32531103 32518103 32518107 32500071 32512001 32519300	Hydrochloric acid (100 percent HCl)	41.2 13 426.8 D 116.8 X X X	4 345 D 4 534 D D 14 766 217 614 678 1 688	N N N N N X X	N N N N N N N N N N N N N N N N N N N
32510067	Alcohol, ethyl (pure and denatured) Other alcohols, including amyl, butyl, methyl, and propyl	x	2 417	хl	N

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NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325132, SYNTHETIC ORGANIC DYE & PIGMENT MFG—Con.				
32519213 32519205 32519231 32519233 32510075 325100A5 21111013 32411033 32411035 32411037	Toluene and xylene (100 percent basis) mil lb Phenol (100 percent basis) mil lb Ortho and para-xylene (100 percent basis) mil lb Other cyclic crudes and intermediates mil lb Acetone (natural and synthetic) mil lb Other synthetic organic chemicals, n.e.c. Natural gas used as a raw material bil cu ft Ethylene used as a raw material bil cu ft Propane used as a raw material or feedstock mil lb Propylene used as a raw material or feedstock mil lb	4.7 1.6 D S D X D D D	1 195 639 D 178 903 D 302 496 D D D	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N
00190012 21239303	Other hydrocarbons used as raw materials or feedstocks Sulfur	X D	D D	X N	N N
32521105 11100033 33300015 32221001 33240000 00970099 00971000	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc mil lb. Agricultural products (crude), including flowers, grains, seeds, herbs, etc Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	S X X X X X	7 814 D 4 889 9 727 9 811 259 806 110 780	N X X X X	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
32531201	325181, ALKALIES & CHLORINE MFG Phosphoric acid, except spent (100 percent P2O5)	D	D	N	N
32518805 32518103 32518837 32518105 32518107 00190031 325000A5 32510091 21229903	Priosphoric acid, except spent (100 percent P2OS) 1,000 s tons. Sulfuric acid (100 percent H2SO4), except spent. 1,000 s tons. Chlorine (100 percent Cl basis) 1,000 s tons. Phosphorus, elemental (technical) 1,000 s tons. Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons. Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. Salt in brine 1,000 s tons. Salt in brine 1,000 s tons. Synthetic organic chemicals Synthetic organic chemicals 1,000 s tons.	P53.5 D D D D 5 664.3 X	3 284 D D D D 0 67 912 D D	P85.3 N N N 917.2 P7 039.9 X X	5 171 N N N 1 678 120 961 9 625 D N
21239200 21239303	Phosphate rock 1,000 s tons. Sulfur 1,000 l tons.	_ D	_ D	N D	N N
21220021 21220023	Iron and ferroalloy ores, including tungsten, chromite, manganese, molybdenum, and cobalt	х	-	Х	N
21239001	platinum, etc. All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.	X X	354 44 709	X X	N N
32419903 33300015 32221001 33240000 00970099 00971000	Coke including breeze, used as a raw material 1,000 s tons. Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	22 297 D D 98 875 56 327	X X X X X	N D D 5 335 D D
	325182, CARBON BLACK MFG				
32411023 21111013 32220017 00970099 00971000	Carbon black feedstock. mil bbl. Natural gas used as a raw material. bil cu ft. Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	13.9 P20.0 X X X	245 546 49 985 9 070 38 545 25 449	13.5 16.4 X X X	179 783 34 190 7 316 N N
	325188, ALL OTHER BASIC INORGANIC CHEMICAL MFG				
32531201 32518805 32518103 32518837 32518105 32518107 00190031 325000A5 32510091 21229903	Phosphoric acid, except spent (100 percent P2O5)	362.7 2 117.0 223.0 P102.2 9574.7 623.6 D X X	142 744 71 700 42 689 145 962 85 193 116 127 D 718 628 90 344 32 371	ZZZZZZXXZ	N
21239200 21239303	Phosphate rock	2 415.2 1 760.6	72 510 66 299	N N	N N
21220021 21220023	molybdenum, and cobalt	X	174 755	X	N
21239001	platinum, etc. All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.	X X D	286 260 136 543	X X	N N
32419903 33300015 32221001 33240000 00970099 00971000	Coke including breeze, used as a raw material 1,000 s tons. Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard Metal containers. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	D 130 137 45 988 26 067 1 495 514 801 589	N X X X X	N N N N N
	325191, GUM & WOOD CHEMICAL MFG				
32519103 32500001	Tall oil and rosin Industrial organic and inorganic chemicals, including acids and alcohols, but excluding fatty acids.	X X	D 47 913	X X	72 751 14 466
32100007 21211100 32220017	Chips, slabs, edgings, shavings, sawdust, and other wood waste Lignite, raw or prepared, used as a raw material Paper and paperboard containers, including shipping sacks and other paper	X X X	73 214 D	X X X	D D
33240000 00970099 00971000	packaging supplies. Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	23 323 3 811 96 717 9 760	X X X	10 692 4 054 111 095 34 312

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
32518807 32518809 32531101 32518805 32531103 32518103 32518107 32500071 32512001	325192, CYCLIC CRUDE & INTERMEDIATE MFG	D D 350.6 718.0 130.1 9365.5 122.5 X	D D 26 358 15 589 24 301 80 372 27 360 30 524	X	N N N N N N N N N N N N N N N N N N N
32519300 32510067 32519213 32519205 32519231 32411013 32519223 32519233 32510075 325100A5 21111013	Alcohol, ethyl (pure and denatured) Other alcohols, including amyl, butyl, methyl, and propyl Toluene and xylene (100 percent basis) Phenol (100 percent basis) Ortho and para-xylene (100 percent basis) Benzol (benzene) (100 percent basis) Benzol (benzene) (100 percent basis) I mil lb. Benzol (benzene) (100 percent basis) I mil lb. I ar, crude Other cyclic crudes and intermediates I nil lb Acetone (natural and synthetic) I mil lb Acetone (natural and synthetic) I mil lb Acetone (natural and synthetic) I mil lb I Acetone (natural and synthetic) I mil lb I Acetone (natural and synthetic) I mil lb I other synthetic organic chemicals, n.e.c. I natural gas used as a raw material	X D D D 1 899.0 S 56.7 D X 8.3	D 892 D D 310 801 129 681 205 588 D 223 489 19 109	X	N N N N N N N N N N N N N N N N N N N
32411033 32411035 32411037 32411039 32411041 00190012 21239303 32521105 11100033 33300015 32221001	Ethylene used as a raw material or feedstock mil lb. Propane used as a raw material or feedstock mil lb. Propane used as a raw material or feedstock mil lb. Propylene used as a raw material or feedstock mil lb. Butane and iso-butane used as a raw material or feedstock mil lb. Butylene and iso-butylene used as a raw material or feedstock mil lb. Other hydrocarbons used as raw materials or feedstocks. Sulfur 1,000 l tons. Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb. Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard	747.2 D D D D X D D X X	174 649 D D D D D D D D D D 18 471 648	ZZZZXZ ZXXX	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
33240000 00970099 00971000 32518807 32531101	Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 325193, ETHYL ALCOHOL MFG Hydrochloric acid (100 percent HCl) Nifric acid (100 percent HNO3) 1,000 s tons.	X X X	6 069 555 160 19 598 D	X X X N N	N N N N
32518805 32531103 32518103 32518107 32500071 32512001 32519300	Sulfuric acid (100 percent H2SO4), except spent. 1,000 s tons. Ammonia, synthetic anhydrous (100 percent NH3) 1,000 s tons. Chlorine (100 percent Cl basis) 1,000 s tons. Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. All other industrial inorganic chemicals. Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc. Alcohol, ethyl (pure and denatured)	5.2 3.3 D 76.3 X	665 970 D 5 254 D	N N N X X	N N N N N N N N N N N N N N N N N N N
32510067 32411013 32519233 32510075 325100A5 21111013 32411033 32411035 32411039 00190012 21239303	Other alcohóls, including amyl, butyl, methyl, and propyl Benzol (benzene) (100 percent C6H6)	X D D X P3.1 D D - X	- D - D 0 4 647 D 0 - D	X ZZZXZZXXZ	Z
32521105 11100033 33300015 32221001 33240000 00970099 00971000	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	510 476 6 790 D D 85 815 21 040	N X X X X X	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
32518807 32518809 32531101 32518805 32531103 32518103 32518107 32500071 32512001 32519300	325199, ALL OTHER BASIC ORGANIC CHEMICAL MFG Hydrochloric acid (100 percent HCI)	280.6 D P153.7 3 097.8 1 636.8 2 562.2 P2 727.7 X X	28 628 D 23 706 64 589 256 318 379 162 262 487 1 163 929 226 637 296 179	ZZZZZX XX	N N N N N N N N N N N N N N N N N N N
32510067 32519213 32519205 32519231 32411013 32519223 32519233 32510075 325100A5 21111013	Other alcohols, including amyl, butyl, methyl, and propyl Toluene and xylene (100 percent basis) mil lb. Phenol (100 percent basis) mil lb. Ortho and para-xylene (100 percent basis) mil lb. Benzol (benzene) (100 percent C6H6) mil lb. Tar, crude 1,000 st ons. Other cyclic crudes and intermediates mil lb. Acetone (natural and synthetic) mil lb. Other synthetic organic chemicals, n.e.c. Natural gas used as a raw material bill cu ft.	X P754.0 P2 995.4 862.0 S D 2 007.2 S X P212.7	760 197 122 141 186 253 177 886 431 116 D 552 255 155 472 3 263 164 356 514	X	N N N N N N N N N N N N N N N N N N N
32411031 32411033 32411035 32411037 32411039 32411041 00190012	Ethane used as a raw material or feedstock mil lb. Ethylene used as a raw material or feedstock mil lb. Propane used as a raw material or feedstock mil lb. Propylene used as a raw material or feedstock mil lb. Propylene used as a raw material or feedstock mil lb. Butane and iso-butane used as a raw material or feedstock mil lb. Butylene and iso-butylene used as a raw material or feedstock mil lb. Other hydrocarbons used as raw materials or feedstock mil lb.	94 746.7 10 413.2 5 873.9 98 703.7 3 123.2 S	392 517 2 194 693 511 440 1 449 924 316 607 138 594 1 335 023	N N N N N N N	N N N N N N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325199, ALL OTHER BASIC ORGANIC CHEMICAL MFG— Con.				
21239303 32521105	Sulfur	^q 1 262.8	31 570	N	N
11100033 33300015 32221001 33240000	etc. mil lb. Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Parts and attachments for machinery and equipment Paperboard containers, boxes, and corrugated paperboard Metal containers	S X X X	65 268 71 449 397 248 137 185 104 305	N X X X	N N N N
00970099 00971000	All other materials and components, parts, containers, and supplies	x x	6 173 860 3 294 892	X	N N
00540007	325211, PLASTICS MATERIAL & RESIN MFG	0.004.0	1 741 936	20.040.0	1 345 598
32519207 32519205 32519229	Styrene (100 percent basis)	6 831.6 1 608.4	741 936 543 411 798 689	P6 219.8 1 350.4	345 598 365 690 554 269
32519217 32510043	anhydride, and benzene) Synthetic organic dyes, pigments, lakes, and toners (100 percent basis) mil lb Acrylates and methacrylates, monomers (100 percent basis) mil lb	P9.0 S	20 165 1 343 042	911.3 1 388.0	22 844 774 801
32510037 32510041 32510055	Alcohols, except ethyl (100 percent basis)	1 945.9 P1 365.9	407 457 161 629	1 032.9 2 507.9	188 328 115 094
32510047 32510049	inhibitors, peptizers, etc.) Vinyl acetate, monomer (100 percent basis)	P1 066.5 6 822.4	147 833 290 928 1 469 781	1 170.5 7 612.3	194 461 278 839 1 017 639
325100A3	Other synthetic organic chemicals (includes acrylonitrile and cellulose acetate)	х	1 444 367	X	1 871 204
32411031 32411033 32411035	Ethane úsed as a raw material or feedstock	⁹⁵ 983.5 ⁹²⁰ 076.7 ⁹⁴ 162.5	539 850 4 519 540 516 133	16 426.7 N	N 2 899 102 N
32411037 32411043	Ethale used as a raw material or feedstock. mill lb. Propane used as a raw material or feedstock. mill lb. Propylene used as a raw material or feedstock. mill lb. Propylene used as a raw material or feedstock mill lb. Butadiene used as a raw material or feedstock mill lb. Other refined petroleum products used as a raw material or feedstock	9 792.6 9595.8	1 875 646 126 792	P5 263.9 1 406.8	746 126 235 646
32411045 00190002	Other refined petroleum products used as a raw material or feedstock (butane, isobutane, butylene, etc.)	2 057.6	435 440	N	N
32521105	natural gas and still gas)	X	870 548	Х	239 477
325000B7 32518200	etc. mil lb. Inorganic chemicals	S X P30.4	1 658 653 660 285 21 493	1 213.0 X P31.1	650 592 412 619 14 451
32220017 00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	125 204 3 251 882 2 287 562	X X X	167 366 3 291 549 793 335
00971000	325212, SYNTHETIC RUBBER MFG	^	2 207 302	^	793 333
32519207 32519205 32519229	Styrene (100 percent basis)	788.3 D	209 507 D	700.8 D	174 738 D
32519217	anhydride, and benzene)	X	D D	X	D D
32510043 32510037 32510041 32510055	Acrylates and methacrylates, monomers (100 percent basis)	115.9 98.4 D	57 029 1 979 D	22.5 S D	13 745 555 D
32510047 32510049	inhibitors, peptizers, etc.) Vinyl acetate, monomer (100 percent basis)	X D D	121 091 D D	X D N	82 379 D N
325100A3	Other synthetic organic chemicals (includes acrylonitrile and cellulose acetate)	x	198 035	х	134 410
32411031 32411033 32411035	Ethane úsed as a raw material or feedstock	P364.0	83 427 D	321.3 N	N 58 769 N
32411037 32411043	Propylene used as a raw material or feedstock mill lb. Butadiene used as a raw material or feedstock mill lb. Other refined petroleum products used as a raw material or feedstock	P3 128.4	51 878 643 084	640.2 2 690.0	93 291 446 558
32411045 00190002	Other refined petroleum products used as a raw material or feedstock (butane, isobutane, butylene, etc.)	670.6	237 056	311.7	65 218
32521105	natural gas and still gas)	x	D	Х	D
325000B7 32518200	etc. mil lb. Inorganic chemicals	228.0 X S	124 349 71 255 48 868	62.2 X 179.2	26 639 89 072 29 386
32220017 00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	41 577 666 741 220 880	X X X	57 957 524 382 21 204
00071000	325221, CELLULOSIC ORGANIC FIBER MFG		220 000	^	21 201
32510039 32510069	Acrylonitrile (100 percent basis)mil lb	_	_	N N	N N
32510071 32519209	Caprolactam (100 percent basis)	_	_	D D	ם ם ם
32519211 32510087 32521145	Terephthalic acid (TPA) (100 percent basis)	x	- - -	D X D	D D D
32521137 32521107	Nylon resins (dry basis)			D D	D D
32220017 00970099	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	D D	X	D N
00970099	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	â	_	â	N N
00540000	325222, NONCELLULOSIC ORGANIC FIBER MFG				•
32510039 32510069 32510071	Acrylonitrile (100 percent basis). mil lb. Caprolactam (100 percent basis) . mil lb. Glycols (ethylene, propylene, etc.) (100 percent basis) . mil lb.	D D 1 244.6	D D 396 836	D D 1 845.5	D D 413 439
32519209 32519211	Dimethyl terephthalate (DMT) (100 percent basis) mil lb. Terephthalic acid (TPA) (100 percent basis) mil lb.	742.6 2 760.0	215 335 731 624	1 148.9 1 901.9	273 005 478 245

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325222, NONCELLULOSIC ORGANIC FIBER MFG—Con.				
32510087 32521145 32521137 32521107 32220017	All other synthetic organic chemicals Polypropylene resins (dry basis)	X 786.5 443.1 928.4	954 882 367 879 322 729 330 843	X 9804.9 322.9 S	1 300 459 278 557 166 881 141 174
00970099 00971000	packaging supplies. All other materials and components, parts, containers, and supplies	X X X	97 521 824 542 302 120	X X X	91 968 N D
	325311, NITROGENOUS FERTILIZER MFG				
32531103 32531113	Ammonia, synthetic anhydrous (100 percent NH3)	S	267 359	2 162.7	248 082
32531111 32531107	and mixtures containing urea (100 percent N) 1,000 s tons. Ammonium nitrate (solid only) (100 percent NH4NO3) 1,000 s tons. Ammonium sulfate (100 percent (NH4)2SO4) 1,000 s tons.	644.7 D	77 741 D	S D D	12 163 D D
32531115 32531109	Urea (solid only) (100 percent CO(NH2)2) ,000 s tons. Other nitrogenous materials including calcium cyanamide and limestone mixtures ,1,000 s tons.	96.7 D	18 114 D	171.4 P30.5	24 038 2 656
32531203 32531201 32531205	Superphosphate - total used in mixed goods (100 percent P2O5) 1,000 s tons. Phosphoric acid, except spent (100 percent P2O5) 1,000 s tons. Other phosphatic materials, including diammonium phosphate and	D D	D D	D 1.9	D 425
21239101	monoammonium phosphate (100 percent P2O5)	s	149	D D	D D
21239103 00190029	Other potassic materials, including potassium nitrate and sulfate	P1.0 S	299	2.4 S	704 6 519
32518803 21239200 21239303	nut hulls, etc. 1,000 s tons. Sulfuric acid (new and spent) (100 percent H2SO4) 1,000 s tons. Phosphate rock 1,000 s tons. Sulfur 1,000 s tons. Sulfur 1,000 s tons. Sulfur 1,000 l tons. Natural gas used as a raw material 5 bil cu ft. Bags, except textile, including shipping sacks, multiwall bags, and	P88.2 D D	2 426 2 815 D	940.6 D	1 831 D D
21111013 32220009	Natural gas used as a raw material	S	1 008 370	9342.7	625 486
00970099 00971000	pölyethylene liners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	2 818 122 826 43 974	X X X	2 875 197 657 104 948
	325312, PHOSPHATIC FERTILIZER MFG				
32531103 32531113	Ammoniating or nitrogen solutions, including ammonium nitrate solutions,	3 276.8 D	534 759 D	3 117.2 P38.7	333 673 6 072
32531111 32531107 32531115	and mixtures containing urea (100 percent N)	S S D	7 192 4 610 D	736.7 D 951.4 74.5	D 3 853 11 325
32531109 32531203	mixtures	D	D	D 37.7	D 6 608
32531201 32531205	Superphosphate - total used in mixed goods (100 percent P2O5)	1 047.7 107.0	226 821 19 072	1 944.5 234.5	423 630 34 182
21239101 21239103	monoammonium phosphate (100 percent P2O5)	9167.2 84.7	16 813 12 354	142.3	13 982 9 984
00190029	Inert fillers, secondary plant food, soil conditioners, sand, limestone, peat	P640.7 1 998.1	28 330 63 434	P255.4 3 402.1	6 916 115 651
21239200 21239303 21111013	nut hulls, etc. 1,000 s tons. Sulfuric acid (new and spent) (100 percent H2SO4) 1,000 s tons. Phosphate rock 1,000 s tons. Sulfur 1,000 s tons. Natural pas used as a raw material 1,000 s tons.	P40 363.6 P9 814.1	1 025 390 590 522 80 279	33 960.4 8 473.9 D	753 698 709 607 D
32220009	Natural gas used as a raw material bil cu ft. Bags, except textile, including shipping sacks, multiwall bags, and polyethylene liners. All other materials and components, parts, containers, and supplies.	x	4 158 311 143	X X	4 439 211 604
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	24 414	â	27 321
32531103	325314, FERTILIZER (MIXING ONLY) MFG Ammonia, synthetic anhydrous (100 percent NH3)	P471.5	92 216	343.1	40 139
32531113	Ammonia, synthetic anhydrous (100 percent NH3)	s	92 536	P574.8	61 510
32531111 32531107 32531115	Ammonium nitrate (solid only) (100 percent NH4NO3) 1,000 s tons. Ammonium sulfate (100 percent (NH4)2SO4) 1,000 s tons. Urea (solid only) (100 percent CO(NH2)2) 1,000 s tons.	P228.8 9831.3 9779.8	37 732 78 117 129 318	232.0 P334.6 376.4	29 954 30 444 60 032
32531109	Other nitrogenous materials including calcium cyanamide and limestone mixtures	P200.8	59 376	96.0	16 789
32531203 32531201 32531205	Phosphoric acid, except spent (100 percent P2O5)	P651.1	54 758 141 170	P171.2 176.0	18 886 50 037
21239101	monoammonium phosphate (100 percent P2O5)	S S	119 876 81 586	P360.9 P674.5	61 538 73 141
21239103 00190029	Other potassic materials, including potassium nitrate and sulfate	^q 259.8	46 778 100 442	193.8 S	34 369 34 852
32518803 21239200	nut hulls, etc. 1,000 s tons. Sulfuric acid (new and spent) (100 percent H2SO4) 1,000 s tons. Phosphate rock 1,000 s tons.	9110.8 93.5	13 773 1 603	P150.5 D	5 917 D
21239303 21111013 32220009	Sulfur 1,000 l tons. Natural gas used as a raw material blags, except textile, including shipping sacks, multiwall bags, and	D D	D D	D D	D D
00970099 00971000	polyethylene liners All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	75 952 405 660 354 861	X X X	23 115 302 726 255 653
	325320, PESTICIDE & OTHER AGRICULTURAL CHEMICAL MFG				
32411007 32510045	Petroleum distillates used as solvents	S	59 618 122 626	286.1 S	75 241 77 962
32510061 32518845	Synthetic organic pesticides and related synthetic organic agricultural chemical toxicants mil lb. Inorganic chemical toxicants mil lb.	9286.6	893 683 123 032	P350.9 479.9	758 349 192 492
32516845 32561301 32500013 32610029	Surfactants All other organic and inorganic chemicals, n.e.c. Plastics containers	S X X X	66 041 1 057 339 97 174	479.9 X X X	62 563 831 639 87 637

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325320, PESTICIDE & OTHER AGRICULTURAL CHEMICAL MFG — Con.				
32221001 33240000 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	59 354 34 939 723 887 241 103	X X X	72 356 43 775 D D
	325411, MEDICINAL & BOTANICAL MFG				
32541113 32541115 32541101 32541103 11100033 31100001	Antibiotics, in bulk, for human and veterinary use Antibiotics, in bulk, for animal feeds Vitamins, natural and synthetic, in bulk, for human and veterinary use Vitamins, natural and synthetic, in bulk, for animal feeds Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Processed food and kindred products including lactose, meat packing plant	X X X X	D D 224 062 36 615 209 274	X X X	D 52 906 84 551 63 586
32541000 32541107	products, yeast, etc	X	16 293 D	X	7 759 D
32599807	antibiotics and vitamins	X	386 955 16 523	X	661 003 2 430
325000A7 32519201	Cyclic crudes and intermediates including organic colors	X X	60 285 3 871	X X X	58 244 39 694
32510031 32610015	Other synthetic organic chemicals including halogenated hydrocarbons Fabricated plastics products, including plastics closures, film, and packaging items, except containers	X X	157 290 48 989	X X	223 719 1 935
33211500 32310003	Metal closures and crowns for containers Labels, coupons, instructions, and other printed material	X	1 141 14 315	x x	D 1 213
32610029 32721301 33240000	Plastics containers	X	19 149 4 047	X	5 837 1 861 4 221
32221001 00970099	Metal containers Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X X X	2 382 30 157 634 492	X X X X X	12 408 257 312
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	488 646	Х	166 288
32541113	325412, PHARMACEUTICAL PREPARATION MFG Antibiotics, in bulk, for human and veterinary use	x	2 855 535	х	N
32541115 32541101 32541103	Antibiotics, in bulk, for animal feeds Vitamins, natural and synthetic, in bulk, for human and veterinary use	X X X	96 987 1 115 425 D	X X X X	N N N
11100033 31100001	Vitamins, natural and synthetic, in bulk, for animal feeds Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Processed food and kindred products including lactose, meat packing plant	â	99 093		N N
32541000 32541107	products, yeast, etc. Blood derivatives and extenders All other bulk medicinal and botanical uncompounded drugs, except	X	95 024 D	X	N N
32599807	antibiotics and vitamins	X	5 139 065 88 846	X X X	N N
325000A7 32519201	Industrial inorganic chemicals	X X	376 762 274 476	X X	N N
32510031 32610015	Other synthetic organic chemicals including halogenated hydrocarbons	X	415 437	×	N
33211500 32310003	items, except containers Metal closures and crowns for containers Labels, coupons, instructions, and other printed material	X X X	307 792 46 774 389 491	X X	N N N
32610029 32721301	Plastics containers	X	520 573 201 919	X X X X	N N
33240000 32221001 00970099	Metal containers Paperboard containers, boxes, and corrugated paperboard	X X X	52 533 618 969 1 649 261	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	756 432	X	Ň
32541113	325413, IN-VITRO DIAGNOSTIC SUBSTANCE MFG Antibiotics, in bulk, for human and veterinary use	X	4 180	х	N
32541115 32541101	Antibiotics, in bulk, for animal feeds Vitamins, natural and synthetic, in bulk, for human and veterinary use	X X X	_ D	X	N N
32541103 11100033 31100001	Vitamins, natural and synthetic, in bulk, for animal feeds Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Processed food and kindred products including lactose, meat packing plant	x	D	X	N N
32541000 32541107	products, yeast, etc. Blood derivatives and extenders All other bulk medicinal and botanical uncompounded drugs, except	X	37 286 101 058	X	N N
32599807	antibiotics and vitamins	X	110 966 D	X	N N
325000A7 32519201	Industrial inorganic chemicals	X X	180 200 47 566	x x	N N
32510031 32610015	Other synthetic organic chemicals including halogenated hydrocarbons	X	133 389	X	N
33211500 32310003	items, except containers Metal closures and crowns for containers Labels, coupons, instructions, and other printed material	X X X	617 030 16 698 36 848	X X	N N N
32610029 32721301	Plastics containers Glass containers	XX	47 380 43 205	X X X X	N N
33240000 32221001 00970099	Metal containers . Paperboard containers, boxes, and corrugated paperboard . All other retarials and company to participate and qualified .	X X X	1 698 66 808	X	N N N
00971000	All other materials and components, parts, containers, and supplies	x	480 017 86 505	X	N N
	325414, BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MFG				
32541113 32541115	Antibiotics, in bulk, for human and veterinary use	X	D -	X X X	51 066 N
32541101 32541103	Vitamins, natural and synthetic, in bulk, for human and veterinary use	X	10 948 D	X	2 016 D
11100033 31100001	Agricultural products (crude), including flowers, grains, seeds, herbs, etc. Processed food and kindred products including lactose, meat packing plant products, yeast, etc.	X X	13 284 32 059	X X	23 031 28 358
32541000 32541107	Blood derivatives and extenders	X	497 800	X	486 656
32599807	antibiotics and vitamins	X	28 657 D	X	25 670 D

of terms, s	See appendixed		7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325414, BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MFG — Con.	,	,,,,,		<u> </u>
325000A7 32519201 32510031 32610015	Industrial inorganic chemicals Cyclic crudes and intermediates including organic colors Other synthetic organic chemicals including halogenated hydrocarbons Fabricated plastics products, including plastics closures, film, and packaging items, except containers	x x x	22 476 D 14 947	X X X	31 458 D 1 775 33 526
33211500 32310003 32610029 32721301 33240000 32221001 00970099 00971000	Metal closures and crowns for containers Labels, coupons, instructions, and other printed material Plastics containers Glass containers Metal containers Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x	2 858 8 938 10 991 19 527 D 12 467 414 919 455 571	x x x x x x x	3 260 5 895 14 184 13 025 D 18 444 227 992 149 252
	325510, PAINT & COATING MFG				
31120013 32513102 32513109	Vegetable oils mil lb Titanium dioxide pigments, composite mil lb Other inorganic pigments, including chrome colors, zinc oxide, and iron mil lb	P976.8	83 216 820 235	125.4 N	50 855 N
32519215 32519225 32510033 32510081 32510079 32510097 32510035	Order fronganic pigments, including difforme colors, zinc oxide, and non oxide. Organic color pigments, lakes, and toners. Hydrocarbon solvents (toluene, xylene, etc.) Alcohol solvents (butyl, ethyl, isopropyl, etc.) Ester solvents (ethyl acetate, butyl acetate, etc.) Ketone solvents (acetone, mek, mibk, etc.) Other solvents Glycol and glycol derivative solvents mil lb. Glycol and glycol derivative solvents	P151.2 P93.3 q1 098.4 q189.9 q200.5 q242.6 S q197.2	203 935 504 812 223 480 77 710 103 401 106 616 134 021 107 974	N N P893.0 314.7 N N N	N 333 467 163 678 99 202 N N N
32521117 32521119 32521121 32521127 32521125 00190069	Alkyd plastics resins	P464.3 937.9 P317.2 9202.8 S 9306.7	310 878 585 172 166 259 231 697 211 067 337 349	763.3 802.5 603.7 N N	414 394 495 451 217 893 N N N
32521129 32799215 32500061 33240000 32610029 00190001 00970099 00971000	Urethane/isocyanates plastics resins mill ib Minerals and earths, ground or otherwise treated mill b. All other chemicals not elsewhere classified mill b. Metal containers Plastics containers Other containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	136.3 2 269.5 P672.0 X X X X	214 259 359 882 543 399 395 559 140 897 33 072 1 086 450 1 936 387	N N X X X X	N 210 360 N N N N N N
00971000	325520, ADHESIVE MFG	^	1 930 367	^	IN
32521135 32521109 32521205 31122115 32510095 32500045	Polyvinyl acetate resins purchased from other establishments mil lb. All other plastics resins purchased from other establishments mil lb. Synthetic rubber mil lb. Starch and dextrin mil lb. Industrial organic chemicals, n.e.c., including synthetic organic	q358.5 q350.1 S S X X	179 651 268 424 207 343 42 953 676 336 323 612	360.8 569.6 203.5 104.2 X	112 071 251 311 171 943 23 946 641 589 112 942
32410015 21230003	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc. Nonmetalic minerals and earths, ground or otherwise treated, used as	Х	237 836	x	227 672
32610029 33240000 32220003 00970099 00971000	extenders and fillers Plastics containers Metal containers Paper and paperboard boxes and fiber cans, tubes and drums All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	118 229 113 939 123 882 196 062 427 744 645 002	X X X X X	204 794 60 488 77 599 86 617 295 592 391 125
32561303	325611, SOAP & OTHER DETERGENT MFG Bulk surface active intermediates (active wt.)	173.4	80 161	490.7	256 972
32561305 32561307	Bulk surface active agents primarily for detergent purposes (active wt.), except intermediates	S S	553 477	499.1	266 706
32561100 31120013	etc.) (active wt.), except intermediates	P64.6 D D	38 581 D D	85.3 N N	42 773 N N
32562000 32519901 31161301 32518103 32518105	Perfume oil mixtures and blends	42.1 230.1 785.4 S 9768.6	238 746 123 915 159 066 5 976 99 965	N 299.9 765.3 S 713.3	N 102 128 130 164 9 284 96 182
32518107 32518821 32518819 32410013	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. Sodium tripolyphosphate (STPP) (100 percent NaP0) 1,000 s tons. All other potassium and sodium compounds. Refined petroleum products, including mineral oil, naphtha solvents,	715.0 158.3 X	89 277 84 490 227 514	470.3 259.8 X	104 158 153 680 281 294
32500005 32310003 32221001 33240000 32610029	petrolatum, waxes, etc. All other organic and inorganic chemicals Labels, coupons, instructions, and other printed material Paperboard containers, boxes, and corrugated paperboard Metal containers Plastics containers	x x x x x x	74 619 1 510 914 76 955 542 547 31 870 498 494	X X X X X	32 051 N 70 180 563 843 N N
32610037 00970099 00971000	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies n.s.k.	X X X	88 312 474 907 944 964	X X X	N N N
555.1000	325612, POLISH & OTHER SANITATION GOOD MFG		344 JU4		IV.
32561303 32561305	Bulk surface active intermediates (active wt.)	s	26 955	48.2	23 787
32561307	except intermediates mil lb. Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active wt.), except intermediates mil lb.	S 51.7	35 698 35 599	P32.8 39.1	20 740 28 728
32561100 31120013 32562000 32519901 31161301	Glycerin (100 percent) mil lb. Vegetable oil mil lb. Perfume oil mixtures and blends mil lb. Fatty acids mil lb. Grease and inedible tallow mil lb.	91.7 S P5.0 P13.9 P23.6 S	35 588 621 2 036 101 664 10 252 9 738	910.4 913.0 95.0	28 726 N 1 062 67 022 5 275 3 395

NAICS			,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325612, POLISH & OTHER SANITATION GOOD MFG—Con.				
32518103 32518105 32518107 32518821 32518819 32410013	Chlorine (100 percent Cl basis)	P138.1 64.6 P123.3 94.6 X	25 028 5 146 31 396 3 251 21 422	P129.4 55.6 155.1 93.5 X	15 501 8 302 31 604 2 749 22 364
32500005 32310003 32221001 33240000 32610029 32610037	petrolatum, waxes, etc. All other organic and inorganic chemicals Labels, coupons, instructions, and other printed material Paperboard containers, boxes, and corrugated paperboard Metal containers Plastics containers Fabricated plastics products, including dispensing pumps and trigger and	× × × × ×	54 463 368 003 59 245 134 815 132 489 275 779	X X X X	72 127 N 46 145 147 039 143 813 250 843
00970099 00971000	mist sprayers; except containers . All other materials and components, parts, containers, and supplies	X X X	108 025 283 295 677 186	X X	99 630 302 784 462 550
	325613, SURFACE ACTIVE AGENT MFG				
32561303 32561305	Bulk surface active intermediates (active wt.)	117.5	71 675	187.7	58 702
32561307	except intermediates	550.3 53.6	110 785 40 792	150.7 P29.0	54 108 26 813
32561100 31120013	etc.) (active wt.), except intermediates	13.4 176.6	7 324 56 709	14.8 235.9	8 417 65 919
32562000 32519901	Perfume oil mixtures and blends	D S	D 125 771	S 224.6	236 109 681
31161301 32518103	Grease and inedible tallow mil lb. Chlorine (100 percent Cl basis) 1,000 s tons Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons	170.3 D	42 607 D	88.2 N	30 569 N
32518105 32518107		6.4 65.7	1 258 11 414	^q 5.1 20.0	705 3 485
32518821 32518819 32410013	Sodium hydroxide (caustic soda)(100 percent NaOH)	D X	D 13 643	q.2 X	78 4 179
32500005 32310003	petrolatum, waxes, etc. All other organic and inorganic chemicals Labels, coupons, instructions, and other printed material Paperboard containers, boxes, and corrugated paperboard	X X X	192 989 502 294 1 530	X	93 027 N 550
32221001 33240000 32610029	Metal containers	X X X	9 784 13 955 15 144	X X X X	13 340 24 887 6 718
32610037 00970099 00971000	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 382 980 727 170	X X X	N 370 311 234 866
	325620, TOILET PREPARATION MFG				
32562000	Perfume oil mixtures and blends	X	389 491	X	N
32510051 32599809 32561309 31100027	Perfume materials (synthetic organic) Essential oils, natural Bulk surface active agents other than sulfonated oils and fats. Fats, oils, greases, and tallow	X X X	66 473 173 540 329 676 154 341	X X X X	N N N N
32410015	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	105 035 85 213	X	N N
32510065 32510031 32518817 32610037	Alcohols Other synthetic organic chemicals including halogenated hydrocarbons Silicates Fabricated plastics products, including dispensing pumps and trigger and	X	243 387 96 909	X	N N
32610029	mist sprayers; except containers	X X	243 213 1 096 646	X X	N N
32721301 32220013	Glass containers . Paper and paperboard containers including shipping containers, setup and folding cartons, etc.	X	193 103 440 854	X	N N
33240000 00970099 00971000	Metal containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	200 393 1 427 604 1 278 798	X X X	N N N
	325910, PRINTING INK MFG				
32513001 32518200 32521105	Pigments, organic and inorganic	213.6 D	514 649 D	310.6 193.9	563 660 60 967
32551003	etc. mil lb. Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products mil lb.	P140.4 386.8	190 791 384 435	135.8 530.8	119 414 318 179
32519105 32410011	Wood rosin, turpentine, and other wood chemicals mill b. Hydrocarbon oils and solvents mil gal.	30.1 58.9	19 018 137 024	38.7 P102.4	28 096 102 152
32510029 33240000 00970099	Oxygenated solvents	D X X	D 22 077 252 565	43.4 X X	58 537 27 430 168 207
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	569 386	^	454 282
32531103	325920, EXPLOSIVES MFG Ammonia, synthetic anhydrous (100 percent NH3)	D	D	D	D
32531105 32531101 32518805 32592009	Ammonium nitrate (100 percent NH4NO3) 1,000 s tons. Nitric acid (100 percent HNO3) 1,000 s tons. Sulfuric acid (100 percent H2SO4), except spent 1,000 s tons. High explosives, including PETN, TNT, azides, and fulminates.	710.5 D D X	89 507 D D 62 368	394.1 36.2 P48.5 X	43 938 5 421 3 372 13 996
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	17 653		13 482
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	153 021 180 874	X X X	N D
325000A3	325991, CUSTOM COMPOUNDING OF PURCHASED RESIN Industrial inorganic chemicals	x	153 588	x	96 464
32513107 32521105	Industrial inorganic chemicals Inorganic pigments Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x x	1 803 788	x x	1 037 761

NAICS	ее аррегиясы —	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325991, CUSTOM COMPOUNDING OF PURCHASED RESIN— Con.				
325100A1 32513200 32500043 32610013	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners All other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	294 203 124 148 266 405	X X X	189 430 144 501 150 651
32599100 32721209 32221001 00999803 00970099 00971000	other shapes Custom compounded plastics resins (purchased) Textile-type glass fiber Paperboard containers, boxes, and corrugated paperboard Spent or post-consumer plastics (purchased) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	40 499 210 524 37 131 49 472 98 868 510 412 664 052	X X X X X X	12 245 84 809 18 392 36 326 N N 337 392
	325992, PHOTOGRAPHIC FILM, PAPER, PLATE, & CHEMICAL MFG				
32210007 32212025	Paper and paperboard products (except paperboard boxes, containers, corrugated paperboard, and photographic base papers) Photographic base papers Paperboard containers, boxes, and corrugated paperboard	X X X	198 240 720 801	× × ×	N N
32221001 325000B1 32518839	Inorganic chemicals, n.e.c., except silver nitrate and prepared photographic chemicals	X X X X	148 598 D 266 245	X X X X	N N N
325100A7 32599215 32521105	Synthetic organic chemicals, except prepared photographic chemicals Prepared photographic chemicals	X X	D D 71 759	X X	N N
32611303 32610011 32599203 00970099 00971000	Unsupported plastics film and sheet for photographic, mimeographic, X-ray, etc. Fabricated plastics products (except gaskets) Light sensitive films and papers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X X X X	153 630 27 185 164 486 884 636 83 784	X X X X	N N N N
	325998, ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT & PREPARATION MFG				
32221001 33240000 21230009 31100027 32518101 325000A7 32519101 32510099	Paperboard containers, boxes, and corrugated paperboard Metal containers Crude nonmetallic minerals, including limestone, clay, gypsum, talc, etc. Fats, oils, greases, and tallow Alkalies and chlorine Industrial inorganic chemicals Wood rosin, turpentine, and other wood chemicals, including tall oil Synthetic organic chemicals, not elsewhere classified	× × × × × ×	132 049 64 768 119 739 171 451 187 400 620 403 59 791 829 641	x x x x x x x	N
32410001 32521103 32610029 00970099 00971000	Refined petroleum products, including naphtha solvents, petrolatum, waxes, etc. Plastics and resin materials (synthetic) Plastics containers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	298 981 199 600 117 397 1 786 260 558 429	X X X X	
32212007	326111, UNSUPPORTED PLASTICS BAG MFG	S	34 362	N	N
32521105 32610013	Paper	S	2 064 711	N	N N
33131509 32552003 32591003 32221001 00970099 00971000	Aluminum foil, plain Glues and adhesives Printing ink Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	X D 101.0 S X X X	367 439 D D 82 815 244 564 332 753 446 572	X N X N X X	N N N N N N N
	326112, UNSUPPORTED PLASTICS PACKAGING FILM & SHEET MFG				
32212007 32521105	Paper	s s	81 969 709 914	N N	N N
32610013 33131509 32552003 32591003 32221001 00970099 00971000	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes Aluminum foil, plain mil lb. Glues and adhesives Printing ink mil lb. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X S X S X X	641 457 18 599 46 440 121 114 34 590 105 488 167 025	X N X N X X	N N N N N N N N N N N N N N N N N N N
	326113, UNSUPPORTED PLASTICS FILM & SHEET (EXCEPT PACKAGING) MFG				
325000A3 32513107	Industrial inorganic chemicals Inorganic pigments Inorganic pigments	X	133 428 73 379	X	160 082 49 798
32521105 325100A1	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Industrial organic and synthetic organic chemicals, including plasticizers	X	3 435 989	X	2 468 044
32513200 32500043 32610013	(except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners All other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	503 381 77 930 126 063	X X X	377 964 46 074 113 262
32599100 32721209 32210015	Custom compounded plastics resins (purchased) Textile-type glass fiber Paper and paperboard products except paperboard boxes, containers, and	X X X	401 720 261 105 408	X X X	323 811 44 283 N
32221001 33322000 00970099 00971000	Corrugated paperboard Paperboard containers, boxes, and corrugated paperboard Parts and attachments specially designed for plastics working machinery All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	116 608 148 856 11 072 309 508 780 026	X X X X	149 565 107 341 24 593 N 475 248

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326121, UNSUPPORTED PLASTICS PROFILE SHAPE MFG				
325000A3 32513107 32521105	Industrial inorganic chemicals Inorganic pigments Plastics resins consumed in the form of granules, pellets, powders, liquids,	XX	83 594 41 959	X	N 33 307
325100A1	etc	X	1 003 490	X	771 953
32513200 32500043 32610013	(except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners All other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	77 466 13 679 56 535	X X	57 997 15 583 20 402
32599100 32721209 32210015	other shapes Custom compounded plastics resins (purchased) Textile-type glass fiber Paper and paperboard products except paperboard boxes, containers, and	X X X	125 355 43 882 D	X X	53 783 23 605 1 559
322210013	corrugated paperboard	×	20 050 71 259	X	12 713 40 705
33322000 00970099 00971000	Parts and attachments specially designed for plastics working machinery All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 168 318 192 873	X X X X	7 173 N 165 641
	326122, PLASTICS PIPE & PIPE FITTING MFG				
32121909 325000A3 32513107	Hardboard Industrial inorganic chemicals Inorganic pigments	X X X	4 386 1 647 3 223	X X X	N N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	2 012 352	x	N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners	×	25 504	X	N
32513200 32500043 32610013	Synthetic dyes, bigments, takes, and toriers All other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X	18 212 D	X	N N
32599100	other shapes	X	47 109 119 582	X	N N
32721209 31321017	Textile-type glass fiber	X X	11 667 3 025	X X	N N
32210015 32221001	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	951 10 036	X	N N
33322000 00999803	Parts and attachments specially designed for plastics working machinery	X	D 17 090	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	184 459 264 525	X	N N
	326130, LAMINATED PLASTICS PLATE, SHEET, & SHAPE MFG				
325000A3 32513107	Industrial inorganic chemicals	X	10 514 4 905	X	6 784 4 952
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	288 300	X	131 320
325100A1 32513200	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners	X	18 108 852	X	23 433 1 873
32500043 32610013	All other chemical and allied products	x x	23 492 193 099	X X X	9 840 136 676
32599100 32721209	other shapes Custom compounded plastics resins (purchased) Textlle-type glass fiber	X X	15 946 107 360	X X	13 835 59 679
32210015 32221001	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard Paperboard containers, boxes, and corrugated paperboard containers, boxes, and corrugated paperboard	X	334 522 D	X	233 406 11 151
33322000 00970099	Parts and attachments specially designed for plastics working machinery All other materials and components, parts, containers, and supplies	X	D 242 641	X X X	1 438 N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	172 669	X	172 494
325000A3	Industrial inorganic chemicals	x	38 059	х	N
325100A1 32521105	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners) Plastics resins consumed in the form of granules, pellets, powders, liquids,	х	73 433	х	N
32599100	etc	X	701 771 16 866	X	N N
325000A1 32610013	All other chemicals and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X	D 52 256	X X	N N
32721209 31321017 32210015	Textile-type glass fiber Broadwoven fabrics	X	D D	X	N N
32221001 00970099	corrugated paperboard Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X X X	47 698 66 798 294 384	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	496 787	â	N
	326150, URETHANE & OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MFG				
325000A3 325100A1	Industrial inorganic chemicals Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic days, plasmorts, and teners)	x x	48 760	x x	N
32521105	(except synthetic dyes, pigments, and toners) Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	645 739 517 072	x	N N
32599100 325000A1 32610013	Custom compounded plastics resins (purchased) All other chemicals and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X	43 471 251 184	X	N N
32721209	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	270 219 26 046	X	N N
31321017 32210015	Broadwoven fabrics Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	x x	29 565 23 144	X X	N N
32221001 00970099	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	x x	30 991 886 132	X X	N N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326150, URETHANE & OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MFG—Con.				
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	820 279	х	N
	326160, PLASTICS BOTTLE MFG				
325000A3 32513107	Industrial inorganic chemicals Inorganic pigments	X X X	238 D	X X X	D 3 431
32513200 325100A1	Inorganic pigments. Synthetic dyes, pigments, lakes, and toners Industrial organic and synthetic organic chemicals, including plasticizers		15 827		11 161
32500043 32521105	(except syrithetic dyes, pigments, and toners) All other chemical and allied products Plastics resins consumed in the form of granules, pellets, powders, liquids,	X X	4 111 2 479	X	D 276
32599100	Custom compounded plastics resins (purchased)	X X	1 791 901 18 789	X X	1 361 002 28 958
32610013 00999803	Plastics products consumed in the form of sheets, rods, tubes, film, and	X X	373 502 D	X	158 069 N
32210015	other shapes Spent or post-consumer plastics (purchased) Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	26 299	×	13 655
32221001 32121909	Paperboard containers, boxes, and corrugated paperboard	×	211 451	×	176 463 D
33322000 00970099	Hardboard Parts and attachments specially designed for plastics working machinery All other materials and components, parts, containers, and supplies	X X X X	2 633 10 850 215 163	X X X X X	23 672 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	241 810	x	136 123
	326191, PLASTICS PLUMBING FIXTURE MFG				
32121909 325000A3 32513107	Hardboard Industrial inorganic chemicals	X X X	15 212 7 524 2 389	X X X	6 222 8 279 1 203
32521105	Inorganic pigments. Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	140 090	×	91 332
325100A1	etc. Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners) Synthetic dyes, pigments, lakes, and toners		15 693		1 510
32513200 32500043 32610013	Synthetic dyes, pigments, lakes, and toners All other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	973 17 261	X X X	855 12 404
32599100	other shapes Custom compounded plastics resins (purchased)	X X X	108 529 7 263	X X X	50 341 1 233
32721209	Textile-type glass fiber		34 601		14 351
31321017 32210015	Broadwoven fabrics Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	D 2 547	X	D D
32221001 33322000	Paperboard containers, boxes, and corrugated paperboard Parts and attachments specially designed for plastics working machinery	x x	25 032 D	X X	15 007 D
00999803 00970099	Spent or post-consumer plastics (purchased)	X X X X X	D 172 362	X X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k. 326192, RESILIENT FLOOR COVERING MFG	^	278 385	^	62 078
32510059	Plasticizers	X X	71 164	x	N
32513001 32521105	Pigments, organic and inorganic . Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.		26 195 244 560	X	N N
32521205 32500041	Synthetic rubber Other chemicals and allied products	X X X X X X	D 50 510	X X X X X	
32212037 32221001	Paperboard containers, boxes, and corrugated paperboard	X	66 780 D	X	N N N N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	115 845 93 446	X	N N
	326199, ALL OTHER PLASTICS PRODUCT MFG				
32121909 325000A3	Hardboard Industrial inorganic chemicals	X X X	63 635 84 615	X X X	N N
32513107 32521105	Inorganic pigments. Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	167 762 9 402 922	×	N N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)		332 522	х	N
32513200 32500043	Synthetic dyes, pigments, lakes, and toners	X X X	246 293 340 458	X	N N
32610013 32599100	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X X	2 473 860 469 302	X X X	N N
32721209	Textile-type glass fiber		443 864		N
31321017 32210015	Broadwoven fabrics Paper and paperboard products except paperboard boxes, containers, and	X	116 155 204 477	X X	N N
32221001 33322000	corrugated paperboard Paperboard containers, boxes, and corrugated paperboard Parts and attachments specially designed for plastics working machinery	x x	764 200 295 697	X X X	
00999803 00970099	Spent or post-consumer plastics (purchased)	X X X X X	142 698 5 143 639	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 646 544	X	N
11321005	326211, TIRE MFG (EXCEPT RETREADING) Natural latex rubber (dry solids content)mil lb	879.3	552 069	317.4	166 381
11321003 32513107	Natural dry rubber mil lb. Inorganic pigments mil lb.	893.8 S	615 836 118 222	1 395.6 172.1	494 177 80 010
32521105 32521201	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	s X	40 544 1 480 386	63.5 X	31 828 1 142 771
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	x	418 640	х	319 359
32510059 32518200	Plasticizers mil lb Carbon black mil lb	9133.2 P2 110.8	46 433 556 617	111.3 1 765.2	28 101 401 671
32500063 32629901	All other chemical and allied products Reclaimed rubber, excluding "mud" and crumb or ground scrap	X S	166 319 17 480	X P36.3	272 898 12 373

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
32629905 32600019 31499201 31499203 31499205 31499207 33200081 33120011 32220017	326211, TIRE MFG (EXCEPT RETREADING)—Con. Rubber compounds and mixtures purchased (dry rubber solids content) mil lb. All other fabricated rubber products mil lb. Polyester tire cord mil lb. Metallic tire cord mil lb. All tire fabrics, and rayon, fiberglass, chafer, and other tire cord mil lb. All tire fabrics, and rayon, fiberglass, chafer, and other tire cord mil lb. Steel wire 1,000 s tons. Paper and paperboard containers, including shipping sacks and other paper packaging supplies	535.8 X 85.6 189.0 4389.8 X X 354.4	349 603 91 996 221 137 392 228 424 381 193 309 69 841 399 657 15 499 390 276	P133.7 X 87.8 149.0 570.4 X P71.7	90 264 18 656 203 418 322 253 620 986 121 701 36 770 63 846
00971009	All other materials and components, parts, containers, and supplies	â	86 569	â	80 826
32621107 32621109 00999805 00970099 00971000	Tread rubber (camelback) Tire repair materials (rubber) Pneumatic casings from used tires All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 326220, RUBBER & PLASTICS HOSES & BELTING MFG	X X X X	180 550 43 338 71 380 25 941 95 565	X X X X	N N N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids,	V	105.240	V	07.000
32521201 32510055	etc. Synthetic rubber, including vulcanizable elastomers Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, pentizars, etc.)	X X	195 340 210 728 57 240	X X	87 220 155 495 17 271
32510059 32500037 32518200 32629905 33251019 33120011 31320003 32220017	inhibitors, peptizers, etc.) Plasticizers All other chemicals and allied products Carbon black Rubber compounds and mixtures purchased (dry rubber solids content) Metal hose fittings and couplings. Steel wire Textile fabrics Paper and paperboard containers, including shipping sacks and other paper packaging supplies	x x x x x x	23 890 39 977 41 923 279 713 124 816 95 695 263 850 38 431	X X X X X X X	21 895 N 35 678 143 184 55 067 70 015 256 732 43 891
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	194 813 148 068	X	N 82 964
11321005 11321003	326291, RUBBER PRODUCT MFG FOR MECHANICAL USE Natural latex rubber (dry solids content) Natural dry rubber	X	35 679 66 026	X	11 119 23 134
32521115 32521139 32521111 32521207 32521203 32521209 32521211 32521213	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc. Vinyl and vinyl copolymer resins, all forms Polyurethane elastomers and plastics (except thermoplastics) Thermoplastic polyurethane elastomers. SBR-type synthetic rubber Polychloroprene-type synthetic rubber Nitrile type (butadiene-acrylonitrile) synthetic rubber Ethylene-propylene type plastics and synthetic rubber	x x x x x x	27 731 16 625 31 779 4 705 122 195 36 822 22 696 63 603	X X X X X X	N 4 391 13 587 48 696 12 294 11 374 25 087
32520007 32629901 32629905 32600019 32510055	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass	X X X	98 946 3 928 462 245 19 688	X X X	75 645 4 278 240 163 80 463
32510059 32510085 32518200 32513107 32610013	inhibitors, peptizers, etc.) Plasticizers All other industrial organic chemicals Carbon black Inorganic pigments Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x x x x x	75 019 13 317 26 616 48 586 12 462 34 659	X X X X	45 796 6 135 13 447 33 987 3 034 56 171
33200081 33120011	Fabricated metal products (except forgings)	X	328 293 42 253	X	177 888 23 217
33120003 31320013 31320015	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Cotton fabrics Manmade fiber fabrics, including glass. Paper and paperboard containers, including shipping sacks and other paper	X X X	111 072 6 113 24 943	X X X	67 208 N N
32220017 00970099 00971000	Paper and paperboard containers, including snipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	36 960 380 400 378 216	X X X	22 560 N 324 135
	326299, ALL OTHER RUBBER PRODUCT MFG				
11321005 11321003 32521139 32521115	Natural latex rubber (dry solids content) Natural dry rubber Vinyl and vinyl copolymer resins, all forms Plastics resins (except vinyl) consumed in the form of granules, pellets,	X X	156 449 170 218 21 552	X X X	N N N
32521111 32521207 32521203 32521209 32521211 32521213	powders, liquids, etc. Polyurethane elastomers and plastics (except thermoplastics) Thermoplastic polyurethane elastomers. SBR-type synthetic rubber Polychloroprene-type synthetic rubber Nitrile type (butadiene-acrylonitrile) synthetic rubber Ethylene-propylene type plastics and synthetic rubber	X X X X X X	58 487 111 264 11 091 213 726 21 841 48 850 137 350	X X X X X X	N N N N N N
32520007 32629901 32629905 32600019 32510055	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass Reclaimed rubber, excluding "mud" and crumb or ground scrap Rubber compounds and mixtures purchased (dry rubber solids content) All other fabricated rubber products Rubber processing chemicals (accelerators, antioxidants, blowing agents,	X X X	172 116 6 343 252 878 154 137	X X X	N N N N
32510035 32510059 32510085 32518200 32513107	inhibitors, peptizers, etc.) Plasticizers All other industrial organic chemicals Carbon black Inorganic pigments	X X X X	317 888 52 551 69 182 119 503 29 125	X X X X	N N N N N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326299, ALL OTHER RUBBER PRODUCT MFG—Con.				
32610013 33200081 33120011 33120003	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes Fabricated metal products (except forgings) Steel wire All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X X	34 464 28 521 23 398 20 899	X X X	N N N
31320013 31320015 32220017	Cotton fabrics	X X	29 556 136 928 67 863	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	335 141 756 259	X	N N
21232011 32221001 332000AC 00970099 00971000	Clay, ceramic, and refractory minerals Paperboard containers, boxes, and corrugated paperboard Metal stampings All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 327112, VITREOUS CHINA, FINE EARTHENWARE, & OTHER POTTERY PRODUCT MFG	× × × ×	85 146 36 531 5 714 80 469 12 832	X X X X	58 191 23 356 N N 3 549
21232011 32221001 332000AC 00970099 00971000	POTTERY PRODUCT MFG Clay, ceramic, and refractory minerals. Paperboard containers, boxes, and corrugated paperboard Metal stampings. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X X	150 399 38 771 2 431 158 745 40 770	X X X X	N N N N
21232011 32221001 332000AC 00970099 00971000	327113, PORCELAIN ELECTRICAL SUPPLY MFG Clay, ceramic, and refractory minerals Paperboard containers, boxes, and corrugated paperboard Metal stampings All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	137 741 16 745 31 045 96 590 6 070	X X X X	84 077 10 221 30 399 68 021 22 914
21232011 32500003 00970099 00971000	327121, BRICK & STRUCTURAL CLAY TILE MFG Clay, ceramic, and refractory minerals Industrial chemicals All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	89 293 24 136 80 632 19 124	X X X	57 101 6 334 96 443 29 369
21232011 32500003 00970099 00971000	327122, CERAMIC WALL & FLOOR TILE MFG Clay, ceramic, and refractory minerals Industrial chemicals All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	106 860 20 422 47 890 38 996	X X X	78 036 5 358 54 517 25 949
21232011 32500003 00970099 00971000	327123, OTHER STRUCTURAL CLAY PRODUCT MFG Clay, ceramic, and refractory minerals	X X X	5 835 1 360 8 862 6 918	X X X X	5 358 934 D D
21232011 32799205 32710000 32700005 32500003 00970099 00971000	327124, CLAY REFRACTORY MFG Clay, ceramic, and refractory minerals Dead-burned magnesia or magnesite Refractories, clay or nonclay Other stone, clay, glass, and concrete products Industrial chemicals All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × × ×	274 465 6 875 90 098 4 418 6 241 60 828 38 737	X X X X X	192 467 7 726 73 275 4 765 1 995 70 691 24 605
21232011 32799205 32710000 32700005 32500003 00970099 00971000	327125, NONCLAY REFRACTORY MFG Clay, ceramic, and refractory minerals Dead-burned magnesia or magnesite. Refractories, clay or nonclay Other stone, clay, glass, and concrete products Industrial chemicals All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × ×	233 653 45 104 D D 21 626 93 882 59 415	X X X X X	143 930 54 376 60 386 N 19 409 69 445 60 150
	327211, FLAT GLASS MFG				
21232200 32518105 325000A9 32500055 32721103 32721201	Glass sand, all types Sodium carbonate (soda ash) (58 percent Na2O) Industrial inorganic chemicals, except sodium carbonate Other chemicals and allied products Glass (float, sheet and plate) Other glass products (including glass tumblers, stemware, and tableware,	X X X X	78 506 134 649 42 386 12 985 23 284	X X X X	61 579 112 192 35 828 9 525 D
32799215 32221001 32192001 32611301 00190028 00970099 00971000	watcluding scrap) Minerals and earths, ground or otherwise treated Paperboard containers, boxes, and corrugated paperboard Wood boxes, pallets, skids, and containers Plastics film and sheet, unsupported Cullet (glass scrap) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	D 15 471 67 629 D 36 755 102 575 26 114	X X X X X X	N D 22 839 35 974 D 32 336 N N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	327212, OTHER PRESSED & BLOWN GLASS & GLASSWARE MFG				
21232200 32518105 325000A9 32500055 32721103 32721201	Glass sand, all types Sodium carbonate (soda ash) (58 percent Na2O) Industrial inorganic chemicals, except sodium carbonate Other chemicals and allied products Glass (float, sheet and plate) Other chearer of the chemical sand plate)	X X X X	215 909 47 751 165 951 121 277 D	X X X X	123 781 31 443 147 045 97 659 D
32799215 32221001 32192001 32611301 00190028 00970099 00971000	other glass products (including glass turniblers, sterniwate, and tablewate, excluding scrap) Minerals and earths, ground or otherwise treated Paperboard containers, boxes, and corrugated paperboard Wood boxes, pallets, skids, and containers. Plastics film and sheet, unsupported Cullet (glass scrap) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	33 413 47 495 122 355 32 682 D 26 705 323 427 60 095	x x x x x x	14 762 22 282 86 874 19 739 3 802 14 150 N 54 340
32518105 21232200 32741005 32799219 00190028 32611301 33350003 00970099 00971000	327213, GLASS CONTAINER MFG Sodium carbonate (soda ash) (58 percent Na2O)	1 663.4 5 108.4 1 237.4 518.5 X 2 415.6 X X	186 436 117 320 30 407 26 663 362 561 112 149 12 471 55 841 266 588 47 399	1 821.9 5 521.3 1 560.7 P678.6 X S X X X X	214 176 126 324 36 403 30 705 551 488 152 839 82 642 66 911 N 39 900
	327215, GLASS PRODUCT MFG MADE OF PURCHASED GLASS				
21232200 32518105 325000A9 32500055 32721103 32721201	Glass sand, all types Sodium carbonate (soda ash) (58 percent Na2O) Industrial inorganic chemicals, except sodium carbonate Other chemicals and allied products Glass (float, sheet and plate) Other glass products (including glass tumblers, stemware, and tableware, excluding scrap) Minerals and earths, ground or otherwise treated Paperboard containers, boxes, and corrugated paperboard	× × × × ×	4 774 93 27 633 66 150 1 546 730 603 335	X X X X	D Z 15 888 47 291 1 117 573 486 351
32799215 32221001 32192001 32611301 00190028 00970099 00971000	Minerals and earths, ground or otherwise treated Paperboard containers, boxes, and corrugated paperboard Wood boxes, pallets, skids, and containers. Plastics film and sheet, unsupported Cullet (glass scrap) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x	5 681 63 017 32 500 170 229 2 827 931 087 519 133	X X X X X X	191 75 366 19 923 96 060 12 309 N 327 384
32213003	327310, CEMENT MFG	×	D	_	770
3222403 32222403 32200007 32710000 32731007 32799215 32700007 21231003 00970099 00971000	Paperboard liners Paper shipping sacks and multiwall bags. Other paper and paperboard products Refractories, clay or nonclay Cement clinker Minerals and earths, ground or otherwise treated Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X X X	7 795 61 433 218 967 152 661 34 058 134 062 409 611 143 931	X X X X X X X	772 35 599 939 43 269 160 536 128 037 34 211 72 305 369 290 22 636
	327320, READY-MIX CONCRETE MFG				
21232003 21231200 21231300	Sand and gravel Mining and quarrying of crushed and broken limestone (including dolomite, cement rock, marl, etc.). Mining and quarrying of crushed and broken granite (including gneiss, syenite, and diorite)	X X X	1 472 455 459 692 44 441	x x x	974 624 225 453 47 413
21231900 21230005 32510003 32731005 32700015 00970099 00971000	Mining and quarrying of other crushed and broken stone (riprap, slate, marble, trap rock, sandstone, quartz, etc.)	X X X X X	156 857 23 570 344 474 2 601 914 128 150 396 688 2 948 576	X X X X X	74 164 4 135 230 175 1 576 530 N N 2 366 190
00704000	327331, CONCRETE BLOCK & BRICK MFG	V	200 205	V	107.044
32731003 32732000 32700011 21231003 21232003 21232003 3120053 33120093 33120099 33120055	Portland cement Ready-mixed concrete Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) Sand and gravel Other mining and quarrying of nonmetallic minerals, except fuels Steel wire strand and bars or rods, high strength, stress relieved Welded steel wire concrete reinforcing mesh Steel concrete reinforcing bars Other steel shapes and forms (except castings, forgings, and fabricated	X X X X X X	206 835 26 116 46 636 57 410 114 137 25 219 2 342 1 565 763	X X X X X X	137 341 5 105 36 139 34 578 78 114 20 102 843 1 034 1 566
331000AJ 00970099 00971000	metal products). Nonferrous shapes and forms (except castings, forgings, and fabricated metal products). All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	2 722 1 262 165 836 299 240	X X X	649 1 274 78 947 215 632
	327332, CONCRETE PIPE MFG				
32731003 32732000 32700011 21231003 21232003 21230007 33120053	Portland cement Ready-mixed concrete Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) Sand and gravel Other mining and quarrying of nonmetallic minerals, except fuels Steel wire strand and bars or rods, high strength, stress relieved	X X X X X	153 286 10 978 30 267 14 791 69 696 5 474 40 507	X X X X X	N

	of terms, see appendixes] NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
	327332, CONCRETE PIPE MFG—Con.					
33120093 33120009 33120055 331000AJ 00970099	Welded steel wire concrete reinforcing mesh Steel concrete reinforcing bars Other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated metal products) All other materials and components, parts, containers, and supplies	x x x x	86 722 26 935 21 230 19 624 89 168	x x x x	N N N N	
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	89 380	x	N	
32731003 32732000 32700011 21231003 21232003	327390, OTHER CONCRETE PRODUCT MFG Portland cement Ready-mixed concrete Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) Sand and gravel	× × × × × × × × ×	253 357 80 022 42 820 26 993 129 405	x x x x x x x	N N N N	
21230007 33120053 33120093 33120009 33120055	Other mining and quarrying of nonmetallic minerals, except fuels Steel wire strand and bars or rods, high strength, stress relieved Welded steel wire concrete reinforcing mesh Steel concrete reinforcing bars Other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	X X X X	21 906 120 370 43 482 83 595 47 745	X X X X	N	
00970099 00971000	metal products) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies,	X X X	16 975 460 304 714 320	X X X	N N N	
	327410, LIME MFG					
32213003 32222403 32200007 32710000 32731007 32799215 32700007 21231003 00970099 00971000	Paperboard liners Paper shipping sacks and multiwall bags. Other paper and paperboard products Refractories, clay or nonclay Cement clinker Minerals and earths, ground or otherwise treated Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k	x x x x x x x x x	D 20 956 D 16 631 D 2 763 1 315 145 428 55 171 7 745	x x x x x x x x	D 8 369 7750 20 610 N 1 975 D 62 674 82 216 4 423	
	327420, GYPSUM PRODUCT MFG					
32213003 32222403 32200007 32710000 32731007 32799215 32700007 21231003 00970099 00971000	Paperboard liners Paper shipping sacks and multiwall bags Other paper and paperboard products Refractories, clay or nonclay Cement clinker Minerals and earths, ground or otherwise treated Other stone, clay, glass, and concrete products Crushed and broken stone (including cement rock, limestone, etc.) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x x x	377 002 D 233 438 D D 200 242 39 728 266 924 501 353 37 181	x x x x x x x x	108 162 N N 584 D 93 331 29 830 122 223 N N	
	327910, ABRASIVE PRODUCT MFG					
21239017 00190039 31320005 32200001 325000A3 32552003 32500035 00970099 00971000	Natural abrasive materials, except diamonds Diamonds. Cotton and manmade fiber fabrics, broadwoven and narrow woven Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard Industrial inorganic chemicals Glues and adhesives Other chemicals and allied products. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x x	286 311 94 322 148 490 134 268 71 877 56 929 43 152 492 051 146 289	x x x x x x x x	N N N N N N N N N N N N N N N N N N N	
	327991, CUT STONE & STONE PRODUCT MFG					
21231100 32791003 33221200 00970099 00971000	Rough blocks used to produce dressed stone Abrasives and abrasive products. Stonecutting tools and accessories (including blades) All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X X	139 332 8 958 19 353 45 533 99 082	X X X X	82 641 4 753 12 423 29 475 132 954	
21232400	327993, MINERAL WOOL MFG Kaolin and ball clay	X	29 776	x	9 255	
21239301 21239001 31320005 32222403 32220011 32200007 325000A3 32521101 32552003	Mining and quarrying of chemical and fertilizer minerals (including barite, borate, potash, fluorspar, and rocksalt). Mining and quarrying of other nonmetallic minerals, except fuels. Cotton and manmade fiber fabrics, broadwoven and narrow woven. Paper shipping sacks and multiwall bags. Other converted paper and paperboard products. Other paper and paperboard products. Industrial inorganic chemicals. Plastics materials and resins. Giues and adhesives.	X X X X X X X X X X X X X X X X X X X	69 679 174 061 20 995 49 636 45 091 49 265 74 948 69 790 34 630	X X X X X X X	44 202 111 832 21 350 13 016 37 001 51 604 33 648 81 157 24 545	
32500047 32610013 32721205 33111103 33131511 32222501 00970099 00971000	Other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes Glass fiber, textile type, bonded mat type, etc. Crude blast furnace slag Aluminum sheet, plate, foil, and welded tubings Converted aluminum foil All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x	24 966 47 464 110 318 22 366 63 062 9 561 346 257 125 481	x x x x x x x	35 814 48 650 84 724 30 306 9 903 11 025 259 805 85 090	

NAICS	е арренияся)	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	327999, ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MFG				
32731003 32732000 21232003 32521101 32552003 32500047 32610013	Portland cement Ready-mixed concrete Sand and gravel Plastics materials and resins Glues and adhesives Other chemical and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes All other materials and components, parts, containers, and supplies	X X X X X	101 736 1 501 88 492 18 193 2 904 7 092 3 746 345 839	x x x x x x	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
00971000	Materials, ingredients, containers, and supplies, n.s.k	Х	157 972	X	N
33120081 33120067 33120075 33111203	Steel rod for wiredrawing	D D X	D D 3 654 876	N N X	N N N
33111205	(exc. castings, forgings, and fabricated metal products)	654.7	404 289	N	N
33111207 33111209	metal products). 1,000 s tons Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products). 1,000 s tons Ferrovanadium 1,000 s tons.	217.5 155.5 5.9	162 456 120 807 78 248	N N N	N N N
33111201	Other ferroalioy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	222.7	258 808	N	N
331000AE 33100039	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	P76.1	124 642	N	N
33141933	Torgings, and fabricated metal products) Nickel (except ferronickel) shapes and forms (except castings, forgings, and	Х	217 999	x	N
33141933	Tin shapes and forms (except castings, forgings, and fabricated metal products)	37.8	231 389	N	N
33149105	products)	8.1	45 873	N	N
33141913	fabricated metal products)	P208.1	262 653	N V	N N
33151103 33151007 32712400 32712500 32799207 32741007	Gray iron ingot molds and stools All other iron and steel castings Clay refractories Nonclay refractories Limestone fluxes. Lime fluxes, including quicklime	X X X X X X	181 754 29 352 149 742 243 958 223 997 381 668 311 765	X X X X X X	N N N N N N N N N N N N N N N N N N N
32741009 32799209 32799211 32700013 32500011 32512003	Dead-burned dolomite fluxes	X X X X	89 844 10 120 132 486 14 029 87 206	X X X X	N N N N N
32518803 32500039 21221011	its gaseous equivalent) Sulfuric acid (new and spent) (100 percent H2SO4) All other chemicals and allied products Mining crude iron ore and iron ore concentrates, including pelletized and	X X X	425 858 13 653 31 965	X X X	N N N
21221009	manganiferous (gross weight)	32 342.2 52 003.3	1 351 456 1 893 821	N N	N N
21229901	Mining manganese ore (including 10 percent manganese) and ferroalloy				
21220013 21211001 00190023 00190053 33120045	ore . All other metal mining	X 28 355.4 48 134.3 929.2	23 056 1 379 566 6 160 824 116 007	X X N N	N N N N
32410017 33350003	fabricated metal products) 1,000 s tons. Lubricating oils and greases and other petroleum products Industrial dies, molds, jigs, and fixtures	2 568.8 X X	692 283 165 672 69 374	N X X	N N N
33599103 00970099 00971000	Carbon and graphite electrodes. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	916 599 5 004 948 874 082	X X X X	N N N
	331112, ELECTROMETALLURGICAL FERROALLOY PRODUCT MFG				
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products).	х	D	x	N
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	D	D	N	N
33111205 33111207	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	N
33111209	castings, forgings, and fabricated metal products)	7.3 D	4 050 D	N N	N N
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	D	D	N	N
331000AE 33100039	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	-	-	N	N
33141933	forgings, and fabricated metal products)	Х	10 619	X	N
33141913	fabricated metal products)	1.7	11 442	N	N
33151103	fabricated metal products) Gray iron ingot molds and stools	X X	92 785 84	X X	N N
33151007 32712400 32712500 32799207 32741007	All other iron and steel castings Clay refractories Nonclay refractories Limestone fluxes. Lime fluxes, including quicklime	X X X X	1 557 1 316 11 517 D D	X X X X	N N N N N

	NAICS			1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331112, ELECTROMETALLURGICAL FERROALLOY				
32741009	PRODUCT MFG—Con. Dead-burned dolomite fluxes	х	D	x	N
32799209 32799211	Fluorspar fluxes Other fluxes All other stone, clay, glass, and concrete products	X X X X	D D	X X X	N N
32700013 32500011 32512003	Industrial chemicals (except sulfuric acid and oxygen)	X	6 196 4 563	X	N N
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent). Sulfuric acid (new and spent) (100 percent H2SO4)	X	1 134 D	X	N N
32500039 21221011	All other chemicals and allied products Mining crude iron ore and iron ore concentrates, including pelletized and	â	1 593	x	Ň
21229901	manganiferous (gross weight)	-	-	N	N
21220013	ore	X X	D	X X	N N
21211001 00190023	Coal used in the production of coke	D S	D 46 057	N N	N N
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	D	-10 007 D	N	N
32410017 33350003	Lubricating oils and greases and other petroleum products	X X X	890 249	X X X	N N
33599103 00970099	Carbon and graphite electrodes	X	32 231 246 783	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	8 586	Х	N
	331210, IRON & STEEL PIPES & TUBES MFG FROM PURCHASED STEEL				
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	3 114 161	x	2 126 410
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	_	_	D	D
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	-	_	D	D
33111207 331000AE	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	_	-	D	D
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	D	D	S	41 877
33141933	forgings, and fabricated metal products)	X	226	x	D
33141939	fabricated metal products)	D	D	D	D
33149105	products)	-	-	D	D
33141913	fabricated metal products)	16.5	20 247	D	D
33151103	fabricated metal products) Gray iron ingot molds and stools.	X X	97 963	X X	32 245 D
33151007 32712400	All other iron and steel castings	X	_ _	X	D D
32712500 32741007	Nonclay refractories Lime fluxes, including quicklime.	X	34	X X X	D D
32799211 32700013 32500011	Other fluxes All other stone, clay, glass, and concrete products Industrial promisely (except sulfurio acid and except)	X X	1 294 - 11 006	X X	Z D 5 604
32512003	Industrial chemicals (except sulfuric acid and oxygen) Oxygen (including high and low purity) (liquid oxygen should be converted to its paseous equivalent)	X	887	X	92
32518803	its gaseous equivalent) Sulfuric acid (new and spent) (100 percent H2SO4)	X	502	X	931
32500039 21221011	All other chemicals and allied products Mining crude iron ore and iron ore concentrates, including pelletized and	X	275	X	D
00190023 33120045	manganiferous (gross weight)	_	_	D D	D D
32410017	fabricated metal products)	_ x	_ 15 968	D X	D 5 076
33350003 33599103	Industrial dies, molds, jigs, and fixtures	X X X	10 427	X X X	6 122 D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	517 436 435 407	X	N 483 783
	331221, COLD-ROLLED STEEL SHAPE MFG				
33120081 33120067	Steel rod for wiredrawing	156.8 S	89 015 168 133	P164.1	76 789 D
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 473 838	X	2 415 777
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	D	D D	D	D
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	_	_	D	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	D
33141933 33141939	Nickel (except ferronickel) shapes and fórms (except castings, forgings, and fabricated metal products)	D	D	D	D
33141939	products)	D	D	D	D
33141913	fabricated metal products)	D	D	D	D
	fabricated metal products)	X	D	X	D 2 402
33151007 32712400 32741007	All other iron and steel castings Clay refractories Lime fluxes, including quicklime.	X X	D D D	X X X	3 492 D D
32500011 32512003	Industrial chemicals (except sulfuric acid and oxygen) Oxygen (including high and low purity) (liquid oxygen should be converted to	X	12 322	x	10 534
32518803	its gaseous equivalent)	X	D 2 063	X	D 184
32500039 00190023	All other chemicals and allied products	X _	3 132	X D	1 667 D

NAICS	ee appendixes]	1997			1992		
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)		
	331221, COLD-ROLLED STEEL SHAPE MFG—Con.		(41,000)		(+1,)		
32410017 33350003	Lubricating oils and greases and other petroleum products	X X X	10 307 1 081	×	11 802 1 219		
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies	x X	904 815 213 147	X X X	N 83 208		
	331222, STEEL WIRE DRAWING						
33120081 33120067	Steel rod for wiredrawing	P3 815.4 546.5	1 568 597 253 232	N N	N N		
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	176 620	x	N		
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	D	D	N	N		
33111205 33111209	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	D D	D D	N N	N N		
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	-	_	N	N		
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	N		
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	4 263	x	N		
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products)	.1	1 498	N	N		
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	N		
33149105 33141913	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	27.1	33 127	N	N		
33151007	fabricated metal products) All other iron and steel castings	X	13 339 D	X	N N		
32712400 32741007	Clay refractories	XX	_ D	X X X X	N N		
32799211 32500011	Other fluxes Industrial chemicals (except sulfuric acid and oxygen) Oxygen (including high and low purity) (liquid oxygen should be converted to	X	D 6 875	X	N N		
32512003 32518803	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	D 752	X	N N		
32500039	All other chemicals and allied products	x	11 110	x	N		
00190023 33120045	Iron and steel scrap, excluding home scrap	_ D	_ D	N N	N N		
32410017 33350003	Lubricating oils and greases and other petroleum products Industrial dies, molds, jigs, and fixtures	X	7 870 11 291	X	N N N		
00970099 00971000	All other materials and components, parts, containers, and supplies	X	365 504 138 410	X	N N		
	331311, ALUMINA REFINING						
32518805 32518105	Sulfuric acid (100 percent H2SO4), except spent. 1,000 s tons. Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons. Sodium hydroxide (caustic soda) (100 percent NaOH) 1,000 s tons. Other industrial inorganic chemicals Synthetic organic chemicals Bauxite 1,000 s tons.	D D	D D	N N	N N		
32518107 325000A5	Sodium hydroxide (caustic soda)(100 percent NaOH)	9172.4 X	22 149 34 394	N X	N N		
32510091 21229903 21239001	Bauxite	11 709.8	361 988	X N	N N		
33300015	potash, fluorspar, rock salt, etc. Parts and attachments for machinery and equipment	X	D 63 571	X	N N		
32221001 33240000	Metal containers	X	_ D	X X X X	N N		
00970099 00971000	All other materials and components, parts, containers, and supplies	X	111 978	X	N N		
	331312, PRIMARY ALUMINUM PRODUCTION						
33131209 33100009	Aluminum and aluminum-base alloy ingot	162.4	246 505	98.5	42 826		
33141103	castings, forgings, and fabricated metal products) Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or and copper.	X D	183 113 D	X D	40 347 D		
33100015	anode copper	X	2 797	X	797		
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	.5	520	N	N		
33141937 33141907	Magnesium and magnesium-base alloy ingot All other magnesium and magnesium-base alloy shapes and forms (except castings, foreings, and fabr. metal products)	x x	52 638	x x	19 869 2 226		
33141927	All other nonferrous shapes and forms (except castings, forgings, and	x	15 246 47 331	x	2 226 25 129		
00190040 00190024	fabricated metal products) Aluminum and aluminum-base alloy scrap (except home scrap)	D .4	D 841	N D	N D		
00190025 00190026	Lead and lead-base alloy scrap	X	_	X	D D		
00190052 33131100	Zinc and zinc-base alloy scrap (including drosses and skimmings) All other nonferrous metal and metal-base alloy scrap Alumina (gross weight) 1,000 s tons.	6 209.6	1 266 680	11 048.3	D 1 401 473		
00970099 00971000	All other materials and components, parts, containers, and supplies	X	631 398	X	936 855 1 592		
	331314, SECONDARY SMELTING & ALLOYING OF						
33131209	ALUMINUM Aluminum and aluminum-base alloy ingot	61 590.0	284 026	N	N		
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	166 064	x	N		
33141103 33100015	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	-	-	N	N		
33141929	forgings, and fabricated metal products)	x	D	x	N		
21220015	fabricated metal products) Mining and all other nonferous metal ores and concentrates	X	D _	X	N N		

NAICS	е арренияес	199	17	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331314, SECONDARY SMELTING & ALLOYING OF ALUMINUM—Con.				
00190020 00190024 00190025 00190026	Aluminum and aluminum-base alloy scrap (excluding home scrap)	1 290.7 X X X	1 678 866 D D	N X X X	N N N N
00190052 33131100 00970099 00971000	All other nonferrous metal and metal-base alloy scrap Alumina (gross weight)	X X X	261 695 - 184 098 703	X N X X	N N N N
	331315, ALUMINUM SHEET, PLATE, & FOIL MFG				
33131205 33131207 33131501 33131600	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	2 026.8 1 489.7 2 152.1	2 840 312 1 566 026 1 587 266	N N N	N N N
33100011	rod, bar, pipe, tube, etc. mil lb. All other aluminum and aluminum-base alloy shapes and forms (except	D	D 100 051	N	N
33141113 33141111	castings, forgings, and fabricated metal products). Copper and copper-base alloy ingot, ingot bar, and wire bar. 1,000 s tons. All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products). 1,000 s tons.	X 1.9 .4	190 651 4 234 681	X N N	N N
33141935	forgings, and fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and	47.8	142 273	N	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	5.5	6 985	N	N
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1.2	4 167	N	N
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	х	37 015	×	N
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	1 353.7	920 059	N	N
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	629.3	661 748	N	N
00190024 00190080	Other nonferrous metal scrap (except home scrap)	D D	D D	N N	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	1 065 680	X	N N
	331316, ALUMINUM EXTRUDED PRODUCT MFG				
33131205 33131207 33131501 33131600	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot 1,000 s tons . Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	558.1 908.8 .8	820 314 1 276 928 4 260	313.0 P503.8 .8	389 399 471 622 5 978
33100011	rod, bar, pipe, tube, etc	222.9	217 119	393.0	271 143
33141101 33141113 33141111	castings, forgings, and fabricated metal products)	X D D	406 558 D D	X N N	307 199 N N
33141935	forgings, and fabricated metal products)	2.9	4 826	.5	897
33141925	forgings, and fabricated metal products)	7.8 D	22 938 D	3.8 D	8 841 D
33149105 33141945	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33141949	castings, forgings, and fabricated metal products)	-	_	N -	N -
33149101	fabricated metal products) mil lb. Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D 0. 504	D	D
33141903	Precious metals and precious metal alloy shapes and forms (except	.8	2 584	.7 N	2 338 N
33142101	castings, forgings, and fabricated metal products)	D	D	N	N
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	10 847	x	5 006
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	111.5	149 921	57.0	66 926
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	226.1	232 486	P157.4	165 943
00190024 00190080 00970099	Copper and copper-base alloy scrap (except home scrap)	1.9 D X	8 413 D 275 064	D D X	D D 289 734
00971009	Materials, ingredients, containers, and supplies, n.s.k.	â	273 004	â	135 741
	331319, OTHER ALUMINUM ROLLING & DRAWING				
33131205 33131207 33131501 33131600	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	139.3 32.7 D	217 042 68 978 D	D 7.5 D	D 9 445 D
33100011	rod, bar, pipe, tube, etc	P193.3	166 644	D	D
33141101 33141113	castings, forgings, and fabricated metal products). Copper and copper-base alloy cathodes	X D D	242 366 D D	X N N	D X X
33141111 33141935	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	P1.2	2 454	D	D
33141935	magnesium and magnesium-base alloy snapes and forms (except castings, forgings, and fabricated metal products)	1.3	3 878	1.2	3 213
33149105	and fabricated metal products)	D	D	D	D
33149101	fabricated metal products)	D -	D	D	D
	forgings, and fabricated metal products)	DI	DI	D	D

	ee appendixes]	1997		1992)
NAICS material code	Industry and materials consumed		Delivered cost	1002	Delivered cost
		Quantity	(\$1,000)	Quantity	(\$1,000)
00444004	331319, OTHER ALUMINUM ROLLING & DRAWING—Con.				
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	9 047	x	7 710
00190021 00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	D	D	23.0	23 139
00190022	other cources 1 000 e tone	D	D	D D	D D
00970099 00971000	Other nonferrous metal scrap (except home scrap)	X	70 661 3 352	X	11 N
	331411, PRIMARY SMELTING & REFINING OF COPPER				
33131209 33100009	All minum and aluminum-base alloy ingot	D X	D -	N X	N D
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	1 729.3	3 411 290	2 331.8	1 764 585
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	D
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	N
33141907	castings, forgings, and fabr. metal products)	x	-	x	D
33141927	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	D
21223400 21220009	Mining copper ores, concentrates and precipitates (gross weight)	S	922 003 D	4 228.7 X	2 148 819 D
21220015 00190024	Mining and all other nonferous metal ores and concentrates	X	D D	X D	N D
00190052 00970099	All other nonferrous metal and metal-base alloy scrap All other materials and components, parts, containers, and supplies	X	83 181	X	N 127 726
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	165 562	X	2 030
	& REFINING	_		_	_
33131209 33100009	Alluminum and aluminum-base alloy ingot	D	D	D	D
33141103	castings, forgings, and fabricated metal products) Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or	X	D	X	D
33100015	anode copper	D X	D D	D X	D D
33141923	forgings, and fabricated metal products) Lead-base alloy shapes and forms (except castings, forgings, and fabricated metal products).	x	6 742	x	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	92.8	79 715	N N	N N
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)	X	35 220	x	N
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	60 126	x	N
33141907	All other magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabr. metal products).	×	D	×	D
33141927	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	100 935	x	D
21223400	Mining copper ores, concentrates and precipitates (gross weight)	D	D D	D	D
21220015 21220009	Mining and all other nonferous metal ores and concentrates	X X D	588 130 - D	X X N	D D
00190040 00190024 00190025	Mining precious metal ores and concentrates. Aluminum and aluminum-base alloy scrap (except home scrap)	D X	D D	D	D D
00190025 00190026 00190027	Lead and lead-base alloy scrap Zinc and zinc-base alloy scrap (including drosses and skimmings) Tipplate scrap (including chrodded steel can scrap)	X	D	X X X	N
00190027 00190051 00190052	Tinplate scrap (including shredded steel can scrap) Precious metal and precious metal alloy scrap. All other nonferrous metal and metal-base alloy scrap.	X X X	61 535 159 711	X	D D
33131100 00970099	All other materials and components, parts, containers, and supplies	D	D 324 204	N	N 361 662
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	44 832	X	108 124
	331421, COPPER ROLLING, DRAWING, & EXTRUDING				
33131205 33131207 33131501	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	D D D	D D D	D D D	D D D
33131600 33100011	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc. mil lb All other aluminum and aluminum-base alloy shapes and forms (except	9.1	10 073	1.3	1 653
33141101	castings, forgings, and fabricated metal products)	X 2 517.7	1 133 891	1 167.3	D 957 116
33141113 33141111	Copper and copper-base alloy ingot, ingot bar, and wire bar	81.4	251 682	N	N
33141935	forgings, and fabricated metal products)	439.5	1 157 066	577.8	969 751
33141925	forgings, and fabricated metal products)	D	D	D	D
33149105	and fabricated metal products)	1.4	38 044	1.6	12 922
33141949	fabricated metal products)	55.7	83 559	51.9	70 537
33149101	fabricated metal products)	4.8	12 897	P1.5	4 439
33141903	forgings, and fabricated metal products)	-	-	D	D
33142101	castings, forgings, and fabricated metal products)	66.6	26 222	D	D
33141921	products)	D	D	131.6	340 510
00190021	fabricated metal products)	X	D	X	37 475
00190022	establishments of your company	D	D	D	D
	other sources	-	- 1	D	D

NAICS	ее аррениясы —	199	7	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331421, COPPER ROLLING, DRAWING, & EXTRUDING—Con.				
00190024 00190080	Copper and copper-base alloy scrap (except home scrap)	564.3 D	1 286 890 D	679.9 917.1	1 372 146 20 137
00970099 00971000	Other nonferrous metal scrap (except home scrap)	X	192 007 67 555	X	224 631 131 927
	331422, COPPER WIRE (EXCEPT MECHANICAL) DRAWING				
33122200 33142127	Bare steel wire	D P210.1	D 234 660	N N	N N
33142129 33142119	Unalloyed copper and copper-base alloy rods mil lb. Alloyed copper and copper-base alloy rods mil lb. Copper and copper-base alloy wire for redrawing mil lb. Bare copper and copper-base alloy wire, electrical (except wire for	D 34.0	D 39 897	N N	N N
33100091	Bare copper and copper-base alloy wire, electrical (except wire for redrawing)	8.0	12 248	N	N
331000A5 33142147	redrawing)	X 47.2	56 280 70 559	X N	N N
33100079 32500029	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products). All other chemicals and allied products mil lb. All other materials and components, parts, containers, and supplies	X P43.6	103 026 43 314	X N	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	58 882	X	N N
	331423, SECONDARY SMELTING, REFINING, & ALLOYING OF COPPER				
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	1 104	х	N
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	2.4	4 933	N	N
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	154 110	x	N
33141929	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 258	x	N
00190020 00190024 00190025	Aluminum and aluminum-base alloy scrap (excluding home scrap)	.9 X	957 578 538 952	N X	N N N
00190023 00190026 00190052	Zinc and zinc-base alloy scrap (including drosses and skimmings) All other nonferrous metal and metal-base alloy scrap	.9 X X X X X	1 717 26 157	X X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	12 779 8 133	X	N N
	331491, OTHER NONFERROUS METAL ROLLING, DRAWING, & EXTRUDING				
33122200 33120003	Bare steel wire	s	38 483	N	N
33131205	metal products)	D 2.4	D 18 081	N D	N D
33131207 33131501	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	D D	D D	D S	D 156
33131600	rod, bar, pipe, tube, etc	61.9	53 608	D	D
33131900 33100089 33100011	Aluminum and aluminum-base alloy wire for redrawing	22.9 D	37 096 D	N N	N N
33141101	castings, forgings, and fabricated metal products)	X .5	13 868 3 112	X N	4 435 N
33141113 33142127	Copper and copper-base alloy ingot bar, and wire bar	D	D	N	N
33142129 33142119	Alloyed copper and copper-base alloy rods	520.0 129.0 P88.2	495 198 145 710 76 825	N N N	N N N
33100091	Copper and copper-base alloy wire for redrawing mil lb. Bare copper and copper-base alloy wire, electrical (except wire for redrawing) mil lb.	57.9	89 929	N	N
331000A5 33141111	Insulated copper wire and cable	X	64 068	X	N
33141935	forgings, and fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings,	11.3	39 195 47 902	21.2	11 631 57 806
33141925	forgings, and fabricated metal products)	9.6	279 131	\$ S	147 547
33149105	and fabricated metal products)	32.6	50 907	33.2	38 085
33141945	Molybdenum and molybdenum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) mil lb	4.4	20 540	2.0	15 770
33141949	Tin and tin-base alloy shapes and forms (except castings, forgings, and fabricated metal products).	4.4 X	30 540 9 605	2.8 X	15 770 23 123
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	66.5	411 321	P18.8	101 470
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	2 760.5	255 291	838.4	248 842
33142101 33141921	Brass shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
00190021	fabricated metal products)	х	102 411	х	168 466
00190022	establishments of your company	-	-	N	N
00190024 00190080	other sources	D D D	D D D	N D 9.9	N D 16 429
32521205	Synthetic rubber mil lb.	D	D	N	N
32500029 32721501	All other chemicals and allied products mil lb. Optical fiber, data and nondata transmission	⁹ 15.0 X	25 449	N X	N N
32799305 32700003 32610013	Fiberglass insulating materials . All other stone, clay, glass, and concrete products . Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	6 149 -	X	N N
31311103	other shapes	X D	D D	X N	N N
33593105 00970099	Connectors	X X X	D 645 122	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	ΧI	616 985	ΧI	N

NAICS	ee appendixes]	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331492, OTHER NONFERROUS METAL SECONDARY SMELTING, REFINING, & ALLOYING				
33131209	Aluminum and aluminum-base alloy ingot	D	D	N	N
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	2 561	x	N
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	s	38	N	N
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	N
33141923	Lead-base alloy shapes and forms (except castings, forgings, and fabricated metal products). Zinc and zinc-base alloy shapes and forms (except castings, forgings, and	x	3 765	x	N
33149105 33141939	Zinc and Zinc-base and shapes and forms (except cashings, longings, and fabricated metal products)	79.5	117 992	N	N
33141903	Precious metals and precious metal alloy shapes and forms (except	x	17 895	x	N
33141929	castings, forgings, and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and	X	104 585	X	N
21223400	fabricated metal products) Mining copper ores, concentrates and precipitates (gross weight)	X -	62 253	X N	N N
21220009	Mining precious metal ores and concentrates	×	D	x	N
21220015 00190020	Mining and all other nonferous metal ores and concentrates	X D	16 858 D	X N	N N
00190024 00190025	Copper and copper-base alloy scrap (except home scrap). Lead and lead-base alloy scrap (including drosses and skimmings) Zinc and zinc-base alloy scrap (including drosses and skimmings)	X X X	499 285 554	X	N N
00190026 00190027	Linplate scrap (including shredded steel can scrap)	X	42 908 D	X X X X	N N N
00190051 00190052	Precious metal and precious metal alloy scrap. All other nonferrous metal and metal-base alloy scrap.	X X D	166 503	X X N	N N N
33131100 00970099 00971000	Allumina (gross weight)	X	D 434 124 272 546	X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	^	272 340	^	IN
33120045	331511, IRON FOUNDRIES Pig iron shapes and forms (except silvery iron, castings, forgings, and				
33111205	fabricated metal products) Ferrochromium shapes and forms (except castings, forgings, and fabricated	x	210 162	x	N
33111203	metal products)	x	35 163	x	N
33111207	(exc. castings, forgings, and fabricated metal products) Ferrosilicon (more than 8 percent silicon) shapes and forms (except	х	57 280	х	N
33100013	castings, forgings, and fabricated metal products) All other ferrous shapes and forms (except castings, forgings, and fabricated	X	205 450	х	N
33141925	metal products). Nickel and nickel-base alloy shapes and forms (except castings, forgings,	X	289 588	x	N
33141947	and fabricated metal products) Cobalt-base alloy shapes and forms (except castings, forgings, and	X	36 751	x	N
33141905	fabricated metal products)	X	D	X	N
00190023 00190082	fabricated metal products) Iron and steel scrap, excluding home scrap All other purchased scrap, excluding home scrap	X X X	D 1 090 865 135 050	X X X	N N N
32712400	Clay refractories.	×	41 386		N
32791001 32712500	Grinding wheels and other abrasive products, except industrial diamonds	X	43 967 36 763	X	N N
32700009 33299700	All other stone, clay, glass, and concrete products	X	14 618 48 998	X X X X	N N
33350003 001900A5	Industrial dies, molds, jigs, and fixtures	X	20 207 39 103	X	N N
21232005 00970099	Sand All other materials and components, parts, containers, and supplies	X	213 801 1 409 366	X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	63 916	X	N
33120045	331512, STEEL INVESTMENT FOUNDRIES Pig iron shapes and forms (except silvery iron, castings, forgings, and				
33111205	fabricated metal products) Ferrochromium shapes and forms (except castings, forgings, and fabricated	x	1 220	x	3 803
33111203	metal products)	x	5 801	x	2 363
33111207	(exc. castings, forgings, and fabricated metal products) Ferrosilicon (more than 8 percent silicon) shapes and forms (except	X	1 055	X	807
33100013	castings, forgings, and fabricated metal products) All other ferrous shapes and forms (except castings, forgings, and fabricated	X	717	x	1 322
33141925	metal products)	X	29 489	X	17 472
33141947	and fabricated metal products)	X	100 126	X	85 450
33141905	fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and	X	36 769	X	24 167
00190023	fabricated metal products) Iron and steel scrap, excluding home scrap All other purchased scrap, excluding home scrap	X	32 879 49 374	X	25 123 16 752
00190082 32712400	All other purchased scrap, excluding nome scrap Clay refractories	X X	2 990 3 243	X	1 857 2 438
32791001 32712500	Grinding wheels and other abrasive products, except industrial diamonds	x x	19 670 26 592	Ŷ	15 634 12 258
32700009 33299700	All other stone, clay, glass, and concrete products Industrial patterns	X X	3 337 3 450	X	1 452 6 928
33350003 001900A5	Industrial dies, molds, jigs, and fixtures	X	18 001 3 628	× × × × × ×	10 002 532
21232005 00970099	Sand	X	12 298 175 218		11 937 168 244
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	7 698	X	36 467
004005 :=	331513, STEEL FOUNDRIES (EXCEPT INVESTMENT)				
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	х	2 492	Х	2 413
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	x	27 371	X	23 647

NAICS	е арренике)	199	7	1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331513, STEEL FOUNDRIES (EXCEPT INVESTMENT)—Con.				
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	x	13 901	х	11 287
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	x	9 375	x	6 690
33100013	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	68 729	x	11 422
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	43 117	x	28 712
33141947	Cobalt-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	4 095	x	1 281
33141905	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	20 234	X	10 095
00190023 00190082	Iron and steel scrap, excluding home scrap All other purchased scrap, excluding home scrap	X X X X	105 754 69 667	X X X X	104 387 13 899
32712400 32791001	Clay refractories	X	9 609 20 664	X	9 460 12 363
32712500 32700009	Nonclay refractories	×	14 923 4 539	X	12 573 4 703
33299700 33350003	Industrial patterns	X X X X X X	15 234 4 828	X X X X X	11 647 3 341
001900A5 21232005	All other industrial and commercial machinery and computer equipment	X	6 029 33 532	X	5 121 22 407
00970099 00971000	All other materials and components, parts, containers, and supplies	X	294 066 45 206	X	243 481 63 329
	331521, ALUMINUM DIE-CASTING FOUNDRIES				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	37 191
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	588 501	x	486 714
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	22 208	x	32 335
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	D	x	D
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	1 525	X	D
00190024 00190040	Copper and copper-base alloy scrap (except home scrap)	X	245 195 316	X	D 134 041
00190080 33299700 33350003	Other nonferrous metal scrap (except home scrap) Industrial patterns. Industrial dies, molds, jigs, and fixtures	X X X X X	D 745 51 227	X X X X	D 1 964 25 977
001900A4	All other industrial and commercial machinery and computer equipment	x	4 567	x	4 526
21232005 32791001	Sand Grinding wheels and other abrasive products, except industrial diamonds	x x	1 948 2 522	X X X	651 1 410
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X X	263 825 157 317	X	N 96 762
	331522, NONFERROUS (EXCEPT ALUMINUM) DIE-CASTING FOUNDRIES				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,	x	26 603	x	25 268
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, fornings, and fabricated metal products)	x	47 887	×	13 290
33149105	forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	151 947	×	103 983
33141935	fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	135 713	x	24 840
331000AG	forgings, and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	28 120	x	7 612
00190024 00190040	Copper and copper-base alloy scrap (except home scrap). Aluminum and aluminum-base alloy scrap (except home scrap).		1 722 746		D D
00190080 33299700	Other nonferrous metal scrap (except home scrap)	X X X X	2 114 259	X X X X	D D
33350003	Industrial dies, molds, jigs, and fixtures	×	10 792	×	3 393
001900A4 21232005	All other industrial and commercial machinery and computer equipment	X	934 2 531	X X X	2 710 D
32791001 00970099 00971000	Grinding wheels and other abrasive products, except industrial diamonds All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	5 560 145 411 114 591	XXX	708 N 57 818
0007.000	331524, ALUMINUM FOUNDRIES (EXCEPT DIE-CASTING)				0. 0.0
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and tablicated metal products)	x	7 082	x	40 454
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forcings, and forking to describe the products)	x	632 676	X	290 292
33149105	forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	×	11 872	×	3 088
33141935	fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	19 134	X	4 064
331000AG	All other nonferrous shapes and forms (except castings, forgings, and		D		D
00190024 00190040	fabricated metal products) Opper and copper-base alloy scrap (except home scrap). Aluminum and aluminum-base alloy scrap (except home scrap).	X X X X X	D 234 473	X X X X	D 34 068
00190080 33299700	Other nonferrous metal scrap (except home scrap)	X	511 21 279	X	1 156 17 400
33350003	Industrial patterns. Industrial dies, molds, jigs, and fixtures		87 442		7 153
001900A4 21232005	All other industrial and commercial machinery and computer equipment Sand Grinding wheels and other abrasive products, except industrial diamonds	X	3 186 20 797	×	11 280 15 432
32791001 00970099	All other materials and components, parts, containers, and supplies	X X X X	8 823 250 864	X X X X	5 428 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x l	113 077	хI	62 444

NAICS		1997	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331525, COPPER FOUNDRIES (EXCEPT DIE-CASTING)				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	109 461	x	92 233
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, formings, and fabricated metal products)	x	10 818	x	8 809
33149105	forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	721	x	224
33141935	fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings, formings, and fabricated metal products)	x	883	x	D
331000AG	forgings, and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	561		3 520
00190024 00190040	Copper and copper-base alloy scrap (except home scrap). Aluminum and aluminum-base alloy scrap (except home scrap).	X	18 342 169	X X X X	28 537 124
00190080 33299700	Other nonferrous metal scrap (except home scrap)	X	209 2 882	X	701 1 979
33350003	Industrial dies, molds, jigs, and fixtures	X	757		4 383
001900A4 21232005	All other industrial and commercial machinery and computer equipment	X	1 772 4 626	X X X	559 2 890
32791001 00970099	Grinding wheels and other abrasive products, except industrial diamonds	X	2 796 57 338	X	1 935 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	62 577	X	81 698
	331528, OTHER NONFERROUS FOUNDRIES (EXCEPT DIE- CASTING)				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,	V	4 405	V	
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	1 405	X	D
33149105	forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and	X	914	X	1 104
33141935	fabricated metal products) Magnesium and magnesium-base alloy shapes and forms (except castings,	X	10 879	X	4 250
331000AG	forgings, and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and	X	1 751	X	4 353
00190024	fabricated metal products) Copper and copper-base alloy scrap (except home scrap).	X	72 443 D	X	31 944 D
00190040 00190080	Aluminum and aluminum-base alloy scrap (except home scrap) Other nonferrous metal scrap (except home scrap)	X	D	X	N D
33299700 33350003	Industrial patterns	X	D D	X	D D
001900A4 21232005	All other industrial and commercial machinery and computer equipment	X	D 3 861	X	D 4 150
32791001 00970099	Grinding wheels and other abrasive products, except industrial diamonds All other materials and components, parts, containers, and supplies	X	4 608 188 681	X	2 003 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	17 487	â	12 692
	332111, IRON & STEEL FORGING				
33200081 33210001	Fabricated metal products (except forgings)	X P175.8	11 375 342 212	X P46.3	17 541 81 747
33100035 33120005	Castings (rough and semifinished)	X	D	X	10 819
33120065	castings, forgings, and fabr. metal products)	273.4	187 190	^q 275.5	259 641
33149101	forgings, and fabricated metal products)	1 196.8	721 156	P803.5	475 247
33100074	forgings, and fabricated metal products)	3.0	79 706	2.0	32 648
33100039	fabricated metal products)	D	D	Х	N
33149103	forgings, and fabricated metal products)	8.4	24 788	93.0	8 290
33351400	forgings, and fabricated metal products)	41.3 S	112 308 54 168	4.5 S	38 200 17 785
00970099 00971000	All other materials and components, parts, containers, and supplies	X	218 151 292 800	X	136 158 187 348
	332112, NONFERROUS FORGING				
33200081	Fabricated metal products (except forgings)	_X	D	X	N
33210001 33100035	Forgings	7.3 X	73 941 D	X	D N
33120005	Steel ingot and semifinished shapes (blooms, billets, and slabs) (except castings, forgings, and fabr. metal products)	D	D	3.9	11 119
33120065	Steel bars, bar shapes, and other shapes and forms (except castings, forgings, and fabricated metal products)	D	D	s	2 347
33149101	forgings and fabricated metal products)	138.8	67 498	230.3	62 846
33100074	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	D	D	x	N
33100039	forgings, and fabricated metal products)	161.4	200 790	118.3	171 913
33149103	Nickel and nickel-base alloy, including nickel-copper alloys (except castings, forgings, and fabricated metal products)	.4	3 464	D	D
33351400 00970099 00971000	Forging dies	2.1 X X	8 223 72 558 9 673	S X X	11 739 57 158 34 067
00971000		^	9 0/3	^	34 067
33272203	332114, CUSTOM ROLL FORMING Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33272203	wetai boits, nuts, screws, wasners, rivers, and other screw machine products Other fabricated metal products (except forgings)	X	20 013 34 684	X	N N
33100035 33210001	Cartings (rough and semifinished) Fortings	X	9 611 3 273	x x	N N N
33210001	Forgings Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	191 886	X	N N
33120009 33120017	metal products) Steel concrete reinforcing bars Steel sheet and strip, including tin plate	X	191 886 D 352 661	X	N N N
33120017	Steel structural shapes (except castings, forgings, and fabricated metal				
00120003	products)	X	60 697	X	N

NAICS	ee appendixes]	199	17	199	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332114, CUSTOM ROLL FORMING—Con.	-	, ,	,	
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,		. =		
33131501 33131600	and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing Aluminum and aluminum-base alloy extruded shapes, including extruded	X	3 769 70 382	X	N N
33100007	rod, bar, pipe, tube, etc. All other aluminum and aluminum-base alloy shapes and forms, including	х	5 934	x	N
33100083	refinery shapes (except castings and forgings)	Х	74 447	X	N
00190023	fabricated metal products) Iron and steel scrap, excluding home scrap Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	32 854 D	X	N N
32551003	products	X	5 930	×	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	205 406 182 924	X	N N
	332115, CROWN & CLOSURE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	1 431	X	79 <u>7</u>
33200095 33151001	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished)	X	12 838 874	X	D
33152011 33210001 33120071	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Forgings Steel bars and bar shapes (except castings, forgings, and fabricated metal	X	D D	X	D N
33120071	products) Steel sheet and strip, including tin plate	X	2 938 41 274	X S X	D 1 904
33120079 33120025	Steel plate	X	D	X X S	N N
33120013 33120027	Steel tinplate, tin free steel, terneplate, and blackplate	S	167 252	S	209 628
33142111	metal products) Copper and copper-base alloy shapes and forms (except castings, forgings,	x	D	x	D
33131501	and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	D 21 081	X	N 47 114
33131600	Aluminum and aluminum-base alloý extrudéd shapes, including extrudéd rod, bar, pipe, tube, etc	x	39	x	D
33100049	castings, forgings, and fabricated metal products)	х	22 069	x	13 966
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	N
32521105 32551003	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	х	23 917	x	23 121
32500051	Products All other chemicals and allied products	×	28 793 D	X X	28 175 14 732
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	997	x	D
32221001	Paperboard containers, boxes, and corrugated paperboard	×	9 720	X	9 964 4 681
32200007 33510000	Other paper and paperboard products Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X X	6 353 1 623	×	4 681 D
00970099 00971000	All other materials and components, parts, containers, and supplies	x x	15 561 72 243	x x	31 852 10 135
	332116, METAL STAMPING				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	155 837	x	N
33200095 33151001	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	461 069 40 449	X X X X	N N
33152011 33210001	Forgings	XX	10 080 3 403	X	N N
33120071 33120017	Steel bars and bar shapes (except castings, forgings, and fabricated metal products).	X	91 297	×	N
33120077 33120079 33120025	Steel sheet and strip, including tin plate	S X X	1 268 314 57 670 30 069	X X X	N N N
33120013	Steel wire and wire products Steel tinplate, tin free steel, terneplate, and blackplate	ŝ	36 028	â	Ň
33120027 33142111	All other steel shapes and forms (except castings, forgings, and fabricated metal products).	х	275 537	x	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	122 710 187 764	×	N N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	x	22 671	x	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	73 974	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	59 246	x	N
32521105 32551003	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	х	32 218	x	N
32500051	products All other chemicals and allied products	×	48 340 12 533	X X	N N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	×	17 780	×	N
32221001	Paperboard containers, boxes, and corrugated paperboard	x	88 559	x	N
32200007 33510000	Other paper and paperboard products Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X X	20 720 68 038	X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	603 548 950 512	XXX	N N N
	332117, POWDER METALLURGY PART MFG				
33200097 33210001	Other fabricated metal products (except forgings)	X	4 321 D	X X	N N
33151001 33152003	Iron and steel castings (rough and semifinished)	XXX	D D	X X	N N
33120029	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	11 092	x	N

NAICS	ee appendixes]	1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332117, POWDER METALLURGY PART MFG—Con.				
33142141	All other copper and copper-base alloy shapes and forms (except castings,	×	D	_	N
33100049	forgings, and fabricated metal products) Other aluminum and aluminum-base alloy shapes and forms (except		D	X	N
33100083	castings, forgings, and fabricated metal products)	X		X	N
331000AA	fabricated metal products) Metal powders. All other materials and components, parts, containers, and supplies.	X	D 206 645	X	N N
00970099 00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	92 659 97 801	X	N N
	332211, CUTLERY & FLATWARE (EXCEPT PRECIOUS) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	10 382	x	8 486
33200095 33151001	Other fabricated metal products (except forgings)	X	21 898 12 723	X X X X	13 284 22 388
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X	1 654 D	X	3 474 D
33211101 33120007	Iron and steel forgings	X	22 626		12 965
33120073	metal products) . Steel sheet, strip, and tin mill products	X	4 040 55 874	X	2 597 22 694
33120025 33120027	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	1 469 2 678	X X	790 16 167
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,				
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	1 259	X	101
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	3 751	X	1 370
32100047	fabricated metal products) Wood parts, including handles. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	D 7 243	X	D 7 141
32521105	etc.	x	30 493	x	28 072
32610003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.)	x	49 016	x	29 635
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	x	49 132	x	43 522
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	D	X	N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	77 537 39 336	X	N N
	332212, HAND & EDGE TOOL MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	56 347	x	N
33200095 33151001	Other fabricated metal products (except forgings)	X	117 374 90 283	X X X	N N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	19 152 10 616	X	N N
33211101 33120007	Iron and steel forgings	X	64 723	×	N
33120073	metal products)	X	306 051 159 230	X	N N
33120025 33120027	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	25 434 31 586	X X	N N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,				
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	3 845	X	N
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	20 233	X	N
32100047	fabricated metal products) Wood parts, including handles Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	2 282 45 006	X	N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Plastics products (film, sheet, rod, tube, and fabricated shapes, including	x	36 150	x	N
32610003 32220017	parts, handles, grips, etc.)	x	90 562	x	N
00970099	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies.	×	73 737 417 397	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	287 305	â	Ň
	332213, SAW BLADE & HANDSAW MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	1 551	x	1 551
33200095 33151001	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished)	X	22 103 13 037	X X X	9 468 3 787
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X	2 832 1 922	X	D 7 405
33211101 33120007	Iron and steel forgings . Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	D 41 100	X	N 10, 226
33120073 33120025	metal products). Steel sheet, strip, and tin mill products	X X X	41 122 105 004 16 553	X X X	10 336 75 154 5 279
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	×	51 132	x	10 116
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	×	D	X	D
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	1 381	x	D
32100047 32521105	Wood parts, including handles Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	2 122	X	2 193
32610003	etc. Plastics products (film. sheet, rod, tube, and fabricated shapes, including	X	210	X	1 891
	parts, handles, grips, etc.)	х	3 789	χl	5 323

	ee appendixes]	1997	,	1992	
NAICS material code	Industry and materials consumed	1337	Delivered cost	1332	Delivered cost
		Quantity	(\$1,000)	Quantity	(\$1,000)
0000017	332213, SAW BLADE & HANDSAW MFG—Con.				
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	16 118	×	16 371
00970099 00971000	All other materials and components, parts, containers, and supplies	X	80 316 20 104	X X	82 224 18 646
	332214, KITCHEN UTENSIL, POT, & PAN MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	7 002	х	N
33200095 33151001	Other fabricated metal products (except forgings)	X	44 104 D	X	N N
33152011 33210001	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	3 404 D	X	N N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	111	x	N
33120017 33120079	Steel sheet and strip, including tin plate	S X	54 482 7 560	X	N N
33120025 33120013	Steel wire and wire products Steel tinplate, tin free steel, terneplate, and blackplate	X	2 206 D	X	N N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Copper and copper-base alloy shapes and forms (except castings, forgings,	x	19 279	x	N
33142111	and fabricated metal products)	x	D	x	N
33131501 33131600	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	88 457	X	N
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	X	D 50 740	X	N
33100083	castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X X	56 716 D	X X	N N
32521105	fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	2 734	X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	×	1 321	X	N
32500051 32610013	All other chemicals and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	x	10 113	x	Ň
	other shapes	X	7 114	X	N
32221001 32200007	Paperboard containers, boxes, and corrugated paperboard Other paper and paperboard products Special dies, tools, die sets, jigs, and fixtures, except cutting tools for	X	21 270 5 846	X	N N
33510000 00970099	machine tools All other materials and components, parts, containers, and supplies	X	400 101 646	X	N N
00971009	Materials, ingredients, containers, and supplies, n.s.k.	ŝ	15 809	â	N
	332311, PREFABRICATED METAL BUILDING & COMPONENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200095	products. Other fabricated metal products (except forgings)	X	110 751 129 483	X	42 376 58 236
33100035 33210001	Castings (rough and semifinished) Forgings	××	18 438 D	X	956 D
33120007 33120009	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel concrete reinforcing bars	×	217 350 7 360	X	134 941 D
33120017 33120069	Steel sheet and strip, including tin plate	â	810 246	â	479 105
33120037	products)	X	237 191	х	51 552
33142111	metal products)	X	303 265	×	172 898
00101501	and fabricated metal products)	X	D 50 447	X	D 50 440
33131501 33131600	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X	58 447 40 565	X X	58 440 20 531
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings).	×	25 476	X	29 779
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	20 901	x	2 000
00190023 32551003	Iron and steel scrap, excluding home scrap	X	1 182	X	D
00970099	products	X	57 277 153 012	X	16 988 D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	×	164 113	X	D
0000000	332312, FABRICATED STRUCTURAL METAL MFG	V	440.704	V	N
33290005 33291905 332000A3	Fabricated metal pipe (except castings and forgings) Fabricated metal valves and pipe fittings Fabricated metal parts specially designed for steel power boilers, n.e.c.	X	112 724 26 242	X	N N
332000A3 33200039	(except castings and forgings). All other fabricated metal products (except castings and forgings).	×	D 650 309	X	N N
33151001 33152005	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X	67 326 8 181	X	N N
33152003 33210001	Other nonferrous castings (rough and semifinished) Forgings	X	D 5 968	X	N N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	x	292 534	x	N
33120009 33120017	Steel concrete reinforcing bars	X X	430 569	X	N N
33120017 33120079 33120041	Steel sheet and strip, including tin plate. Steel plate Wide flange steel structural beams	X X X	582 282 487 601 763 503	X X X	N N N
33120047	All other steel structural shapes (except sheet pilings, castings, forgings, and fabricated steel products)	x	652 672	X	N N
33120039	All other steel shapes and forms (including sheet pilings, excluding castings, forgings, and fabricated metal products)	x	275 221	x	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products)	x	1 189	x	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	x	16 386	x	N

		ee appendixes]	199	97	199	92
Sazziz FASRICATED STRUCTURAL METAL MFC—Con.		Industry and materials consumed				
All other coppers and copper			Quantity		Quantity	(\$1,000)
Imaging a set descention repeal production	221/21/1					
A Control and inches		forgings, and fabricated metal products)	×		X	
All other conforms underson and forms (control, sturgers, and suppose)		All other aluminum and aluminum-base alloy shapes and forms (except				
Particular Company Particu	33100067	All other nonferrous shapes and forms (except castings, forgings, and				
Weeking-electrodess	32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied				
32213, PLATE WORK MFG		Welding electrodes	X	59 103	X	N
Paint Pain			â		x	
Section Sect		332313, PLATE WORK MFG				
Sectionary Sec		Fabricated metal pipe (except castings and forgings)			X	
Section All other faborished medial production (concept causings and forgings) X X X X X X X X X	332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)		D	x	
September Sept	33200039 33151001	All other fabricated metal products (except castings and forgings)			X	N
Postulation	33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	4 930	X	
Section Sect	33210001 33120057	Forgings	X	7 938	X	N
Sample S	33120009	forgings, and fabricated metal products)			X	
Mode lange steel structural beams		Steel sheet and strip, including tin plate			X	
Agriculture	33120041	Wide flange steel structural beams			â	
Southern Southern		fabricated steel products).	x	35 370	x	N
Sample		forgings, and fabricated metal products)	x	58 806	x	N
Tablicated metal products X		products)	x	D	x	N
April		fabricated metal products) All other connected decapts because the control of the connected decapts and conne	x	D	x	N
34100025 All other alturnium-base alloy shapes and forms (except X 3 311 X N N N N N N N N N		forgings, and fabricated metal products)				
A continue of the products A continue with a page and forms (except castings, forgings, and late) A continue with a page and the products A continue with a page and page and the products A continue with a page and the products A		All other aluminum and aluminum-base alloy shapes and forms (except				
fabricated metal products Associated met	33100067		^	3 311	^	IN.
1985 2007		fabricated metal products)	Х	9 642	X	N
Degroups		products			X	
Section Sect		All other materials and components, parts, containers, and supplies			X	
Subdest hardware (including door locks, locksets, lock trim, screen X 241 328 X 207 527		332321, METAL WINDOW & DOOR MFG				
hardware, etc.)	32721101	Flat glass (plate, float, and sheet)	x	165 862	x	291 115
Description		hardware, etc.)	x	241 328	x	207 527
133151001		products			X	
Steel biars, bar shapes, and plates (except castings, forgings, and fabricated metal products). X X Z S Z X N X S S X N X S S S X N X S S S S X N X S S S S S X N X S S S S S S S S S	33151001	Iron and steel castings (rough and semifinished)	X	16 713	X	9 635
metal products X 82 962 X N Steel structural shapes (except castings, forgings, and fabricated metal products X 51 359 X N Steel structural shapes (except castings, forgings, and fabricated metal products X 23 501 X 13 700 331 20025 All other steel shapes and forms (except castings, forgings, and fabricated metal products) X 291 688 X 112 627	33210001	Forgings			â	
Steel structural shapes (except castings, forgings, and fabricated metal products) X 51 359 X N		metal products)	X			
Steel wire and wire products X 32 501 X 13 700		Steel structural shapes (except castings, forgings, and fabricated metal	×			**
All other steel shapes and forms (except castings, forgings, and fabricated metal products). X 291 688 X 112 627	33120025	Steel wire and wire products				
Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) X 2 516 X N	33120087	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	291 688	x	112 627
All minum and aluminum-base alloy sheet, plate, foil, and welded tubing X 232 275 X N	33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		2 516	x	N
All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)		Aluminum and aluminum-base alloy extruded shapes, including extruded				N
33100083	33100007	All other aluminum and aluminum-base alloy shapes and forms, including				
O190020 Aluminum and aluminum-base alloy scrap (excluding home scrap) X 81 884 X 88 185 32610013 Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	33100083	Other nonferrous shapes and forms (except castings, forgings, and				
other shapes X 75 682 X 109 325 00971000 All other materials and components, parts, containers, and supplies X 742 300 X N 30971000 Materials, ingredients, containers, and supplies, n.s.k. X 742 300 X N 3227203 Metal bolts, nuts, screws, washers, rivets, and other screw machine products X 178 273 X N 33200095 Other fabricated metal products (except forgings) X 456 514 X N 33151001 Ivon and steel castings (rough and semifinished) X 33 953 X N 33120007 Forgings X 41 342 X N 33120007 Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) X 88 424 X N 33120007 Steel concrete reinforcing bars X 2 861 X N 33120007 Steel structural shapes (except castings, forgings, and fabricated metal products) X 1 635 851 X N 33120007 All other reinforcing bars X		Aluminum and aluminum-base alloy scrap (excluding home scrap)			X	
Materials, ingredients, containers, and supplies, n.s.k.		other shapes			X	
Metal bolts, nuts, screws, washers, rivets, and other screw machine products. X 178 273 X N X 33200095 X 456 514 X N X 33151001 X 456 514 X N X 33152011 X 33152011 X 41 342 X N X 33152017 X 6 306 X N 33120007 X 5 teel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) X 2 861 X N X 33120069 X N 33120069 X 3120069 X X N 3120069 X X N 3120067 X 3120067 X 3120068 X X N X 3120068 X X N X 3120069 X X X N X 3120069 X X X X X X X X X		Materials, ingredients, containers, and supplies	X		X	
products X 178 273 X N		332322, SHEET METAL WORK MFG				
33120009 Other fabricated metal products (except forgings) X 456 514 X N	33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine	_	170 070	V	N
33122011 Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) X 41 342 X N		Other fabricated metal products (except forgings)	X	456 514	X	N
33120007 Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). X 88 424 X N 33120009 Steel concrete reinforcing bars X 1 635 851 X N 33120069 Steel structural shapes (except castings, forgings, and fabricated metal products). X 113 874 X N 33120037 All other steel shapes and forms (except castings, forgings, and fabricated	33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	41 342	X	N
33120009 Steel concrete réinforcing bars X 2 861 X N	33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
33120069 Steel structural shapes (except castings, forgings, and fabricated metal products) products)	33120009	Steel concrete reinforcing bars	X	2 861	X	N
33120037 All other steel shapes and forms (except castings, forgings, and fabricated	33120069	Steel structural shapes (except castings, forgings, and fabricated metal				
	33120037	All other steel shapes and forms (except castings, forgings, and fabricated				

NAICS	ее арренияев	19	97	19	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332322, SHEET METAL WORK MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	18 517	x	N
33131501 33131600	and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing Aluminum and aluminum-base alloy extruded shapes, including extruded	X	585 467	X	Ñ
33100007	rod, bar, pipe, tube, etc. All other aluminum and aluminum-base alloy shapes and forms, including	X	28 214	X	N
33100083	refinery shapes (except castings and forgings). Other nonferrous shapes and forms (except castings, forgings, and	X	151 023	X	N
00190060	fabricated metal products) Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X X	28 807 39 712	X X	N N
32721101 32221001 32551003	Flat glass (plate, float, and sheet) Paperboard containers, boxes, and corrugated paperboard Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	x x	16 787 90 285	X	N N
00970099 00971000	products All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	111 637 877 172 1 222 666	X X X	N N N
	332323, ORNAMENTAL & ARCHITECTURAL METAL WORK MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	¥	39 868	×	N
33200095 33100035	Other fabricated metal products (except forgings) Castings (rough and semifinished)	X X X	109 500 29 628	X X X	N N
33210001 33120007	Forgings. Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	x	492	x	Ñ
33120009	metal products) Steel concrete reinforcing bars	X X X	127 666 9 827	X	N N
33120017 33120069	Steel sheet and strip, including tin plate. Steel structural shapes (except castings, forgings, and fabricated metal		227 385	X	N
33120037	products)	Х	132 961	X	N
33142111	metal products)	X	240 881	X	N
33131501	and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X	D 44 926	X X	N N
33131600	Aluminum and aluminum-base alloy sitest, piate, for, and wedge ubing . Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	74 850	×	N
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings).	X	12 644	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		25 315	х	N
00190023 32551003	Iron and steel scrap, excluding home scrap	X	D	X	N
00970099 00971000	products All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	29 594 179 713 393 634	X X X	N N N
	332410, POWER BOILER & HEAT EXCHANGER MFG				
33290005 33291905	Fabricated metal pipe (except castings and forgings) Fabricated metal valves and pipe fittings	X X	94 267 24 901	X X	N N
332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)	X	31 113	X	Ŋ
33200039 33151001	All other fabricated metal products (except castings and forgings) Iron and steel castings (rough and semifinished)	X	169 173 35 138	X	N N
33152005 33152003	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X X X X	18 146 10 000	X X X X X	N N N
33210001 33120057	Forgings . Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)		19 299 31 076		N N
33120009	forgings, and fabricated metal products) Steel concrete reinforcing bars	X	D	X	N
33120017 33120079	Steel sheet and strip, including tin plate Steel plate With the standard developed because the steel plate to the standard developed because the standard	X X	117 087 114 581	X	N N
33120041 33120047	All other steel structural shapes (except sheet pilings, castings, forgings, and	X	16 205	X	N
33120039	fabricated steel products) All other steel shapes and forms (including sheet pilings, excluding castings, forgings, and fabricated metal products)	X X	20 335 30 653	X X	N N
33140003		X	50 033 D	×	N
33142135	products) Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	×	63 896	x	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		14 860	х	N
33131501 33100055	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing. All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products).	X X X	59 040 39 488	x x	N N
33100067	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	Х	12 971	x	N
32551003	fabricated metal products) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products		32 167	х	N
33399203 00970099 00971000	Welding electrodes. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	41 477 203 088 369 291	X X X	N N N
	332420, METAL TANK (HEAVY GAUGE) MFG				
33290005 33291905 332000A3	Fabricated metal pipe (except castings and forgings) Fabricated metal valves and pipe fittings Fabricated metal parts specially designed for steel power boilers, n.e.c.	X	107 354 145 405	X X	N N
332000A3	(except castings and forgings) All other fabricated metal products (except castings and forgings)	X	16 867 164 273	X	N N
33151001 33152005	Iron and steel castings (rough and semifinished)	X X X X X	17 777 –	X X X X X	N N
33152003 33210001	Other nonferrous castings (rough and semifinished)	X	2 097 51 682	X	N N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	X	53 227	X	N
33120009	Steel concrete reinforcing bars	Х	798	X I	N

NAICS	ee appendixes]	199	97	199	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332420, METAL TANK (HEAVY GAUGE) MFG—Con.	-			
33120017	Steel sheet and strip, including tin plate	x	340 318	X	Ņ
33120079 33120041	Steel plate	x	259 989 15 050	X X X	N N
33120047	All other steel structural shapes (except sheet pilings, castings, forgings, and fabricated steel products)	x	45 540	x	N
33120039	All other steel shapes and forms (including sheet pilings, excluding castings, forgings, and fabricated metal products)	x	203 193	x	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products) Copper and copper-base alloy pipe and tube (except castings, forgings, and	х	D	x	N
33142135	fabricated metal products)	X	D	x	N
33142141 33131501	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	1 693 28 812	××	N N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	×	36 021	x	N
33100067	All other nonferrous shapes and forms (except castings, forgings, and		30 021		
32551003	fabricated metal products)	X	13 626	X	N
33399203	products	X	58 571 27 505	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	308 574 135 583	X	N N
	332431, METAL CAN MFG				
33243105 33200035	Lids, ends, and parts for metal cans	X	1 118 150 D	×	631 927 D
33210001 33120073	Forgings	X X X	D 1 592 997	X X X X	N 2 025 207
33120025 33120099	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated	X	2 760		232
33131501	metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	XX	D 3 118 392	X	D 2 567 830
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	2 019 382
33142109 33142125	Copper mechanical wire (including extruded and/or drawn shapes)	X	11 201	X	24 587
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	D	X	889
32551003	fabricated metal products) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	х	D	X	1 034
32552001	products	X	222 389 34 714	X	301 371 31 260
32591003 32500049	Printing ink. All other chemicals and allied products	X	49 364 31 501	X	43 007 35 294
32221001 00970099	Paperboard containers, boxes, and corrugated paperboard	X	45 868 396 298	X X X X X	24 169 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	137 993	X	303 571
33243105	332439, OTHER METAL CONTAINER MFG Lids, ends, and parts for metal cans	x	49 563	×	30 800
33200035 33210001	All other fabricated metal products (except castings and forgings)	X	66 653 13 240	X X X X	21 724 N
33120073 33120025	Steel sheet, strip, and tin mill products	X	371 968 1 631	X	N N
33120099	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	87 250	X	32 770
33131501 33100049	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing Other aluminum and aluminum-base alloy shapes and forms (except	X	23 465		N
33142109	castings, forgings, and fabricated metal products)	××	15 478 170	X	N N
33142125	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	298	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	7 233	x	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products.	x	38 871		N
32552001 32591003	Adhesives and sealants Printing ink.	X X X	1 957 1 660	X X X X X	868 232
32500049 32221001	All other chemicals and allied products Paperboard containers, boxes, and corrugated paperboard	XX	6 709 23 676	X	4 965 N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	154 756 251 978	X	N N
	332510, HARDWARE MFG				
33251005 33272203	Metal hardware, including hinges, handles, locks, casters, etc	х	217 713	X	N
332000AC	products Metal stampings	X	157 397 267 118	X	N N
33290009 33200013	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X X X X X X	25 028 135 691	× × × × × ×	N N
33151001 33152005	Iron and steel castings (rough and semifinished)	X	99 542 39 124	X	N N
33152500 33152800	Copper and copper-base alloy castings (rough and semifinished)	X	21 373 92 403	X	N N
33152007 33210001	All other nonferrous castings (rough and semifinished)	X X	6 792 35 229	X X	N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	108 421		N N
33120073 33120025	Steel sheet, strip, and tin mill products Steel wire and wire products	X X	517 887 102 904	X X X	N N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	197 827	x	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	x	46 750		N
33142133 33142113	Copper and copper-base alloy sheet, strip, and plate	Х	69 899	X	N
	forgings, and fabricated metal products)	X	25 455	х	N

	see appendixes]		1997 1992		2
NAICS material	Industry and materials consumed	133	Delivered cost	193.	Delivered cost
code		Quantity	(\$1,000)	Quantity	(\$1,000)
	332510, HARDWARE MFG—Con.				
33131501 33131600	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	40 843	×	N
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	X	47 828	X	N
33149105	castings, forgings, and fabricated metal products) Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	33 585 53 447	X X	N N
33100069	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	61 085	×	N
331000AA 32600015	Metal powders	X	29 166 39 290	X	N N
32610003 32600003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.) All other rubber and miscellaneous plastics products	X	132 057 35 105	X	N N
32221001	Paperboard containers, boxes, and corrugated paperboard	â	96 553	â	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	×	42 170	X	N
32720001 33531207 00970099	Glass and glass products Electric motors, generators, and parts All other materials and components, parts, containers, and supplies	X X X	4 535 344 726 595 277	X X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	631 646	â	Ň
	332611, SPRING (HEAVY GAUGE) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	10 762	X	7 327
33200095 33100035 33210001	Other fabricated metal products (except forgings) Castings (rough and semifinished) Forgings	X X X	3 788 1 245 2 197	X X X	1 360 D D
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	×	106 784	×	69 716
33120017 33120025	Steel sheet and strip, including tin plate	X	63 461 54 842	X	13 731 30 862
33120035 331000AJ	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	25 079	x	D
00970099	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products) All other materials and components, parts, containers, and supplies	X	1 289	X	586 14 561
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	58 434	x	16 620
	332612, SPRING (LIGHT GAUGE) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products.	×	37 381	×	N
33200095 33100035 33210001	Öther fabricated metal products (except forgings) Castings (rough and semifinished) Forgings	X X X	18 657 3 991 18 708	X X X	N N N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	x	36 320	x	N
33120017 33120025	Steel sheet and strip, including tin plate	X	54 876 534 801	X	N N
33120035 331000AJ	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	x	117 258	x	N
00970099	metal products). All other materials and components, parts, containers, and supplies	×	15 029 243	×	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	-	X	N
	332618, OTHER FABRICATED WIRE PRODUCT MFG				
33272203 33200095	Metal bolts, nuts, screws, washers, rivets, and other screw machine products.	X	21 847 58 220	X	13 777 44 587
332100035 332100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X	7 840 10 190	x X	5 930 5 367
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	x	50 269	x	39 269
33120017 33120025 33120035	Steel sheet and strip, including tin plate . Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated	X	62 923 794 997	X	60 659 688 409
33120035	metal products) Other nonferrous shapes and forms (except castings, longings, and	x	140 631	x	110 710
32610013	fabricated metal products)	X	24 033	×	19 931
00970099	other shapes	X X X	33 093 512 669 398 366	X X X	22 295 N N
00971000		^	396 300	^	IN.
33272203	332710, MACHINE SHOPS Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200097	products Other fabricated metal products (except forgings)	×	217 120 435 690	X X X	N N
33210001 33151001	Forgings	X	124 506 603 266	X	N N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Clad here here here and letter (except position) foreigns and tolking the semifinished.	X	198 144 55 420	X	N N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate.	X	632 608 126 886	X	N N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	X	39 402	X	N
33120091 33142105	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Copper and copper-base alloy rod, bar, and mechanical wire, including	х	99 635	х	N
33142137	extruded and/or drawn shapes All other copper and copper-based alloy shapes and forms (except castings.	Х	47 727	х	N
33131501	forgings, and fabricated metal products)	X X	26 484 212 057	X X	N N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	133 330	x	N

	ee appendixes]	199	7	1992		
NAICS material code	Industry and materials consumed	100	Delivered cost	1332	Delivered cost	
		Quantity	(\$1,000)	Quantity	(\$1,000)	
33100083	332710, MACHINE SHOPS—Con. Other nonferrous shapes and forms (except castings, forgings, and					
33351503	Cutting tools for machine tools.	×	66 910 301 761	X X X	N N	
00190090 00970099	Fluid power products All other materials and components, parts, containers, and supplies	X	124 217 715 769	X	N N	
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 104 556	X	N	
33200005	332721, PRECISION TURNED PRODUCT MFG	_	50.051	V	42 540	
33100035 33120071	Fabricated metal products, including forgings. Castings (rough and semifinished) Steel bars and bar shapes (except castings, forgings, and fabricated metal	X	50 051 19 874	X	15 311	
33120017	products) Steel sheet and strip, including tin plate	X	435 578 23 623	X	344 298 18 292	
33120025 33120035	Steel wire and wire products	X	21 586	X	37 628	
33142107	metal products) Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	X X	23 006 177 516	X X	10 117 136 616	
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	×	463	x	603	
33142117	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	3 587	x	3 927	
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	x	101 970	х	41 495	
33100059	All other aluminum and aluminum-base alloy shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	x	24 395	х	23 766	
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	35 894	x	17 315	
32221001 33510000	Paperboard containers, boxes, and corrugated paperboard	X	10 372	X	9 760	
32610013	machine tools Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X	38 792 8 029	X X	25 851 N	
00970099 00971000	All other materials and components, parts, containers, and supplies	x x	757 169 367 803	x x	N N 207 427	
	332722, BOLT, NUT, SCREW, RIVET, & WASHER MFG					
33200005	Fabricated metal products, including forgings	X	158 418	X	96 053 10 308	
33100035 33120071	Castings (rough and semifinished) Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	×	5 874 215 552	X	207 881	
33120017 33120025	Steel sheet and strip, including tin plate. Steel wire and wire products	X	122 627 854 999	x x	121 468 518 655	
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	67 178	×	67 324	
33142107 33142131	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products).	х	24 676	х	16 000	
33142117	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs All other copper and copper-base alloy shapes and forms (except castings,	х	1 014	x	13 448	
33131600	forgings, and fabricated metal products)	х	17 900	×	12 193	
33100059	rod, bar, pipe, tube, etc. All other aluminum and aluminum-base alloy shapes and forms (wire, rolled	X	9 993	Х	5 766	
33100039	rod and bar, powder, welded tubing, etc.) Other nonferrous shapes and forms (except castings, forgings, and	х	54 785	x	29 175	
32221001	fabricated metal products) Paperboard containers, boxes, and corrugated paperboard	X	100 265 33 327	××	66 404 21 546	
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	×	172 960	X	112 924	
00970099 00971000	All other materials and components, parts, containers, and supplies	X	233 125 487 223	X	239 181 181 136	
	332812, METAL COATING/ENGRAVING (EXC JEWELRY/ SILVERWARE)/ALLIED SERVICES					
33200005 33100035	Fabricated metal products, including forgings	X	374 503 19 943	X	N N	
33120001	Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal products)	×	1 512 224	x	N	
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	50 857	x	N	
32521101 32551003	Plastics materials and resins Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X X	78 941 425 979	X X	N N	
32599801 32500067	products Foundry chemicals, metal treating compounds, and plating compounds. Other chemicals and allied products.	x X	259 463		N N N	
32791001 00970099	Grinding wheels and other abrasive products, except industrial diamonds	X	45 313 2 901 619 949	X X X	N N	
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	532 420	X	N	
	332813, ELECTROPLATING, PLATING, POLISHING, ANODIZING, & COLORING					
33200005 33100035	Fabricated metal products, including forgings	X	151 866 18 632	X	105 154 12 533	
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	152 249	X	111 266	
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	14 106	X	9 763	
32521101 32551003	Plastics materials and resins Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X X	38 733 24 596	x x	26 743 16 681	
32599801 32500067	Foundry chemicals, metal treating compounds, and plating compounds Other chemicals and allied products	X	281 251 111 904	X	195 861 73 074	
32791001 00970099	Grinding wheels and other abrasive products, except industrial diamonds	X	19 785 204 259	X X X	11 036 155 685	
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	386 260	Х	357 916	

of terms, s	ee appendixes]	40	07	400	
NAICS material	Industry and materials consumed	19		199	
code		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
-	332911, INDUSTRIAL VALVE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
332000AC 33290003	products Metal stampings Valves, fittings, and couplings purchased for further assembly (except	X	172 688 58 343	X	112 278 45 557
33200029		X	257 919 209 557	X	178 564 115 057
33151101 33151009	torgings) Other fabricated metal products (except forgings) Iron castings (rough and semifinished). Steel castings (rough and semifinished). Aluminum and aluminum-base alloy castings (rough and semifinished).	X	250 560 332 100	Ŷ	174 369 252 848
33152005 33152500		X X X X	62 072 116 472	X	52 978 79 063
33152009 33211101	Other nonferrous castings (rough and semifinished) Iron and steel forgings	X X	53 048 92 008	X X X X X X	49 163 84 523
33211201	Nonferrous forgings Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	x	59 620	х	50 594
33120007 33120017	Steel bars, bar snapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate	X	136 736 39 910	××	114 143 29 542
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	55 869	×	51 764
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	x	56 305	x	48 051
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	x	108 143	x	87 608
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	x	18 039	x	14 640
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	16 662	x	2 375
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	41 280	x	20 047
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	14 891	x	9 423
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	x	37 207	x	38 953
33531227	Electric motors and generators less than 1 horsepower (less than 746 watts)	x	18 319	x	9 409
32221001 32622003	Paperboard containers, boxes, and corrugated paperboard	X	24 439	X	25 039
32622005	tube type, wire or textile reinforced	X	6 405 9 055	X X X	1 107 6 190
33999103 32600017	Gaskets (all types), and packing and sealing devices Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	64 656 38 841	X	44 535 28 813
32610011 00970099 00971000	Fabricated plastics products (except gaskets) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k.	X X X	47 541 508 006 322 029	X X X	42 628 402 107 111 184
00371000	332912, FLUID POWER VALVE & HOSE FITTING MFG	^	322 023	^	111 104
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
332000AC	products	X X	280 670 15 436	X	N 8 133
33290003	Valves, fittings, and couplings purchased for further assembly (except forgings)	X	224 707	x	113 314
33200029 33151101	Other fabricated metal products (except forgings) Iron castings (rough and semifinished)	X	144 355 76 725	X X X	56 546 27 428
33151009 33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	11 845 56 154	X X X	15 957 N
33152500 33152009 33211101	Copper and copper-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Iron and steel forgings	X X X	4 667 31 809 43 418	X	4 619 29 852 N
33211101	Nonferrous forgings	X	41 982	×	16 367
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	253 348	x	. 0 00. N
33120017 33120033	Steel sheet and strip, including tin plate	X	51 585	X	N
33141105	metal products) . Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products) .	X	40 213 D	X X	N D
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	×	D	×	65 617
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	10 795	×	5 219
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	33 286	x	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	98 173	x	28 173
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	15 415	x	8 278
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	Х	15 662	×	2 600
33531227	Electric motors and generators less than 1 horsepower (less than 746 watts)	X	3 634		9 005
32221001 32622003	Paperboard containers, boxes, and corrugated paperboard	X	19 955	X	21 800
32622005	tube type, wire or textile reinforced Other rubber and plastics hose and belting Gaskets (all types), and packing and sealing devices	X X	81 518 718	X	104 825 626
33999103 32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X X	14 731 9 491	X	10 597 5 403
32610011 00970099	Fabricated plastics products (except gaskets)	X X X	20 473 350 929	X X X X X	8 254 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	127 947	X	N
332000AC	332913, PLUMBING FIXTURE FITTING & TRIM MFG Metal stampings	х	123 663	×	N
33200073 33151001	All other fabricated metal products (except forgings)	x x	115 768 14 166	X X X	N N
33152500 33152013	Copper and copper-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X	91 803 133 321	X	N N
33210001 33120001	Forgings	X	74 136	X	N
	products)	X	58 516	X	N

NAICS	ee appendixesj	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332913, PLUMBING FIXTURE FITTING & TRIM MFG—Con.	,			<u>,</u>
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings.	V	40.700	V	
33142105	and fabricated metal products) Copper and copper-base alloy rod, bar, and mechanical wire, including	X	13 730	X	N
33142135	extruded and/or drawn shapes	X	230 669	X	N
33142145	fabricated metal products) All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	69 818	X	N
33100075	All other nonferrous shapes and forms (except castings, forgings, and	X	31 231	X	N
32521105	fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	59 546	X	N
32610011	etc. Fabricated plastics products (except gaskets)	X	39 676 206 852	X	N N
32221001 00970099	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X	75 160 205 934	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 872	X	N
	332919, OTHER METAL VALVE & PIPE FITTING MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	23 900	x	N
332000AC 33290003	Metal stampings	x	4 811	x	Ñ
33200029	forgings)	××	94 558 23 775	X	N N
33151101	Other fabricated metal products (except forgings) Iron castings (rough and semifinished)	X	34 779	X	N
33151009 33152005	Steel castings (rough and semifinished)	X	38 886 7 261	X	N N
33152500 33152009	Copper and copper-base alloy castings (rough and semifinished)	X	37 229 3 956	X	N N
33211101	Iron and steel forgings	X	58 917	X	N
33211201 33120007	Nonferrous forgings	X	10 332	X	N
33120017	metal products) Steel sheet and strip, including tin plate	X	34 398 37 462	X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products).	x	18 100	x	N
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	x	D	x	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including	x	46 745	x	N
33142135	extruded and/or drawn shapes Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	x	27 797	x	N
33142145	fabricated metal products) All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	17 371	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	5 034	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	5 591	x	N
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding	^	5 591	^	IN
33531227	home scrap)	x	D	x	N
	Electric motors and generators less than 1 horsepower (less than 746 watts).	x	6 569	X	N
32221001 32622003	Paperboard containers, boxes, and corrugated paperboard Hydraulic and pneumatic hose (without fittings), rubber and plastics inner	X	10 116	X	N
32622005	tube type, wire or textile reinforced Other rubber and plastics hose and belting	X	D	X	N N
33999103 32600017	Gaskets (all types), and packing and sealing devices	X	16 493 6 043	X X X	N N
32610011 00970099	Fabricated plastics products (except gaskets) All other materials and components, parts, containers, and supplies	X	1 772 162 880	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	215 110	Х	N
	332991, BALL & ROLLER BEARING MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	18 477	×	27 023
33200095 33211103	Other fabricated metal products (except forgings)	X X X	4 630 25 677	Ŷ	18 045 26 546
33211111	Cold iron and steel forgings	X	239 026	ŝ	150 848
33211201 33151001	Nonferrous forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	42 399	X X X X	N 44 247
33152011 33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	3 149		6 470
33120017	Steel sheet and strip, including tin plate	X	186 836 88 235	X	184 153 59 184
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	190 096	x	128 032
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,				
33100075	and fabricated metal products)	X	684	X	N
00190060	fabricated metal products)	X	26 479	X	7 687
33299105	home scrap)	X	D 51 947	X	N 15 964
33299103 33299107	Roller bearings (mounted or unmounted) Balls, rollers, cages, collars, races, and other antifriction bearing	X	D	X	17 577
33361305	components and parts. Clutches, couplings, shafts, sprockets, and other mechanical power	X	601 417	х	375 954
33531207	transmission equipment Electric motors, generators, and parts	×	2 761 15 085	X	4 546 5 714
32221001	Paperboard containers, boxes, and corrugated paperboard	X	19 834	x X	12 615 N
32791001 33399601	Grinding wheels and other abrasive products, except industrial diamonds	×	38 049	^	N
33361809	pneumatic) Engines (diesel, semidiesel, gasoline, and other carburetor)	X	4 093 D	X	N N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for				
00970099	machine tools All other materials and components, parts, containers, and supplies	××	37 681 425 937	X	N N 50, 727
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x l	70 546	ХI	50 727

NAICS	see appendixesj			1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332992, SMALL ARMS AMMUNITION MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200095	products	X	D D	X X X	80 64 139
33151001 33152005	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X X	D 1 705	ΧI	D D
33152003 33211101	Other nonferrous castings (rough and semifinished) Iron and steel forgings Auminum and aluminum-base alloy forgings	X	D -	X	2 578 D
33211203 33211207	Aluminum and aluminum-base alloy forgings	X	D -	X	N N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	18 621	x	7 809
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	57 250	x	80 341
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	4 558	x	D
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	x	D
32592011 32521105	Smokeless powder	X	55 551	X	57 126
32500065	etc. Other chemicals and allied products	X	7 844 D	X	5 484 D
32100019 32221001	Rough and dressed lumber	X X X X X X	D 21 128	X	N 22 341
32610011 33351501	Fabricated plastics products (except gaskets) Machine tool accessories, including cutting tools	X	11 831 D	X X X X	7 846 D
00190055	Electronic, hydraulic, and mechanical subassemblies	ŝ	D	ŝ	D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	24 428 11 442	X	N 14 469
	332993, AMMUNITION (EXCEPT SMALL ARMS) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	Y	13 108	Y	21 415
33200095	Other fabricated metal products (except forgings)	ŝ	92 059 3 520	ŝ	59 831 41 500
33151001 33152005	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	ŝ	2 792	ŝ	20 676
33152003 33211101	Other nonferrous castings (rough and semifinished) Iron and steel forgings	X	4 070 3 131	X X X X X	4 508 7 689
33211203 33211207	Iron and steel forgings . Aluminum and aluminum-base alloy forgings . Other nonferrous forgings .	X X X X X X	2 851 D	X	6 848 2 202
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	12 971	x	53 885
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	4 270	x	13 830
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	×	9 124	x	49 726
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		D D	x	6 977
32592011 32521105	Smokeless powder. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	Б	â	D 577
32500065	etc. Other chemicals and allied products. Rough and dressed lumber	X	2 648 2 554	X	2 622 44 442
32100019 32221001	Rough and dressed lumber Paperboard containers, boxes, and corrugated paperboard	X X X X X X	1 149 2 291	X X X X	6 132 6 683
32610011	Fabricated plastics products (except gaskets) Machine tool accessories, including cutting tools	ĵ	6 043 2 802	χ̂	20 448 7 365
33351501 00190055	Electronic, hydraulic, and mechanical subassemblies	ŝ	D	ŝ	D
00970099 00971000	All other materials and components, parts, containers, and supplies	×	239 899 38 634	X	N 9 178
	332994, SMALL ARMS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	19 125	x	18 816
33200095 33151001	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished)	V	64 100 18 709		93 601 15 534
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	ŝ	6 135	ŝ	14 884
33152003 33211101	Other nonferrous castings (rough and semifinished) Iron and steel forgings Aluminum and aluminum-base alloy forgings	* * * * * *	5 602 9 045	X X X X	D 9 93 <u>6</u>
33211203 33211207	Other nonferrous forgings	X	3 373 D	X	D N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	51 590	x	17 185
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	х	394
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	2 492	x	2 135
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	4 163	x	5 723
32592011 32521105	Smokeless powder. Plastics resins consumed in the form of granules, pellets, powders, liquids,	â	D D	â	D D
32500065	etc. Other chemicals and allied products.	X	838 1 148	×	D 918
32100019 32221001	Rough and dressed lumber	ĵ	7 752 9 158	\hat{x}	5 616 7 273
32610011	Fabricated plastics products (except gaskets) Machine tool accessories, including cutting tools	ŝ	13 290	X X X X	5 452 10 489
33351501 00190055	Electronic, nydraulic, and mechanical sudassemblies	X X X X X X	6 420 D	X	D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	40 279 32 662	X	N 20 078
	332995, OTHER ORDNANCE & ACCESSORIES MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	Y	7 459	x	6 741
33200095	Other fabricated metal products (except forgings)	X X X X X	90 881	ŝ	13 551
33151001 33152005	Other fabricated metal products (except forgings) Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X	4 475 1 332	X X X X	1 060 2 177
33152003 33211101	Other nonferrous castings (rough and semifinished)	X	1 431 D	X	D D
33211203	Aluminum and aluminum-base alloy forgings	ΧI	DI	ΧI	D

NAICS		199	7	1992	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332995, OTHER ORDNANCE & ACCESSORIES MFG—Con.				
33211207 33120001	Other nonferrous forgings	x	D	X	D
33142111	products)	X	5 048	X	22 912
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	D	X	D
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	2 101 D	X X	1 642 D
32592011 32521105	fabricated metal products) Smokeless powder. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	D	â	D
32500065	etc. Other chemicals and allied products.	X	D 839	X	D 1 116
32100019 32221001	Rough and dressed lumber Paperboard containers, boxes, and corrugated paperboard	X X X	D 514	X X X	D 593
32610011	Fabricated plastics products (except gaskets) Machine tool accessories, including cutting tools	×	2 726		1 241
33351501 00190055 00970099	Machine tool accessories, including cutting tools. Electronic, hydraulic, and mechanical subassemblies. All other materials and components, parts, containers, and supplies.	X X X X	2 053 D 36 506	X X X X	1 282 D
00970099	Materials, ingredients, containers, and supplies, n.s.k.	â	5 551	â	3 277
	332996, FABRICATED PIPE & PIPE FITTING MFG				
33291907 332000AC	Metal fittings, flanges, and unions for piping systems (except forgings) Metal stampings Other fabricated metal products (except forgings)	X X X X X	155 537 3 916	X X X X X	93 666 5 277
33200097 33210001	Forgings	X	44 905 36 850	X	43 324 3 734
33151001 33152005	Iron and steel castings (rough and semifinished)	X	45 206 3 351	X	39 870 1 147
33152003 33120071	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars and bar shapes (except castings, forgings, and fabricated metal		5 763		3 559
33120017	products) Steel sheet and strip, including tin plate	X X X	21 736 68 790	X	25 065 18 208
33120079 33120069	Steel plate	X	46 026	X	15 916
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, and fabricated metal products) Steel pipes (except castings, forgings, forg	X	D 560 103	X X	25 517 396 062
33120021	All other steel shapes and forms (except castings, forgings, and fabricated metal products) metal products)	x	76 830	x	74 443
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and	x	56 162	x	41 977
33142141	fabricated metal products) All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		6 919	x	6 180
33131501 33131600	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	8 594	x	N N
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	x	13 449	X	N
33100083	castings, forgings, and fabricated metal products)	x	5 087	X	6 625
331000AA	fabricated metal products)	X	12 780 D	X	11 389 851
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	15 081	x	12 048
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	269 027 275 373	X X	N N
	332997, INDUSTRIAL PATTERN MFG				
33200081 33210001	Fabricated metal products (except forgings)	X	5 918 D	X	2 441 Z
33151001 33152005	Iron and steel castings (rough and semifinished)	X X X X	10 641 8 058	X X X	8 865 4 365
33152003 33120001	Other nonterrous castings (rough and semitinished)		D	X	1 088
33100039	Steel shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	4 294	X	791
33100077	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	6 244	X X	1 144
32100019 32610013	Rough and dressed lumber Plastics products consumed in the form of sheets, rods, tubes, film, and	X	764 7 654	â	142 3 000
00970099	other shapes	X X X	1 934 30 727	X X	1 091 12 507
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	29 481	x	50 513
00000010	332998, ENAMELED IRON & METAL SANITARY WARE MFG		40 ==4		40.700
332000AC 33200073	Metal stampings	X X X X X	19 774 9 754	X X X X	12 789 9 38 <u>2</u>
33151001 33152500	Iron and steel castings (rough and semifinished)	X	20 644 D	X	D D
33152013 33210001	Other nonferrous castings (rough and semifinished) Forgings Steel shapes and forms (except castings, forgings, and fabricated metal	X	D 8 062	X	D D
33120001 33141105	products)	x	80 172	x	54 816
	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products) Copper and copper-base alloy rod, bar, and mechanical wire, including	x	D	x	D
33142105 33142135	extruded and/or drawn shapes	х	D	x	D
	fabricated metal products)	х	3 177	x	812
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	971	x	D
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	D	x	D
32521105	atc.	×	43 649	×	1 089
32610011 32221001	Pabricated plastics products (except gaskets) Paperboard containers, boxes, and corrugated paperboard	X X X X	10 893 47 912 185 805		6 472 19 969 83 643
00970099 00971000	All other materials and components, parts, containers, and supplies	X	48 829	χ̈́	29 834

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332999, ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MFG				
33272203 33291907 332000AC	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Metal fittings, flanges, and unions for piping systems (except forgings)	X X X	20 274 23 758 66 247	X X X	N N N
332000AC 33200097 33210001 33151001 33152005	Metal stampings Other fabricated metal products (except forgings) Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X X	222 095 10 761 62 893 21 458	X X X X	2
33152003 33120071 33120017	Other nonferrous castings (rough and semifinished) Steel bars and bar shapes (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate	X X X	12 013 63 305 431 084	X X X	N N N
33120079 33120069	Steel plate . Steel structural shapes (except castings, forgings, and fabricated metal products) .	X X	79 049 26 990	x x	N N
33120021 33120029	Steel pipes (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products) metal products)	x x	42 121 131 339	x x	N N
33142135 33142141	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products) All other copper and copper-base alloy shapes and forms (except castings,	X	14 729	x	N
33131501 33131600	forgings, and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing Aluminum and aluminum-base alloy extruded shapes, including extruded	X	43 704 116 713	XX	N N
33131507 33100049	rod, bar, pipe, tube, etc. Aluminum and aluminum-base alloy plain foil Other aluminum and aluminum-base alloy shapes and forms (except	X	36 156 227 964	XX	N N
33100083	castings, forgings, and fabricated metal products)	×	34 165 51 365	X X	N N
331000AA 32521105	Metal powders. Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X X	18 013 27 509	X X	N N
32610013 21239017 32552003	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes Natural abrasive materials, except diamonds Glues and adhesives	X X X	29 156 34 929 16 437	X X X	N N N
32200001 00970099	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	201 108 1 160 343	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	Х	850 165	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	Х	412 901	x	N
33399501 33399901 33291203 33291207 33272203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X	128 953 16 916 92 240 134 915	X X X X	N N N N
332000AC 33200041 33211101 33211201	products Metal stampings All other fabricated metal products (except forgings) Iron and steel forgings Nonferrous forgings	X X X X	172 389 206 096 371 899 111 386 3 579	X X X X	N N N N
33151001 33152005 33152003 33120007	Iron and steel castings (rough and semifinished) . Aluminum and aluminum-base alloy castings (rough and semifinished) . Other nonferrous castings (rough and semifinished) . Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X X X	583 264 50 190 4 941	X X X	N N N
33120017 33120019	metal products). Steel sheet and strip, including tin plate	X X	507 763 839 901	XX	N N
33120091 331000AJ	fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	X X	125 770 131 471	X X	N N
331000A3 331000AA 33361811	metal products) metal products) Metal powders Diesel and semidiesel engines.	X X X	18 882 4 685 590 295	X X X	N N N
33361805 33632200	Gasoline and other carburetor engines	Х	91 187	x	N
33531201 33299105 33299103 33361200	starters, etc. Electric motors and generators Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	X X X X	164 887 82 558 76 395 62 793 331 118	X X X X	N N N N
32621001 32622001 32610011 32551003	Tires and inner tubes. Rubber and plastics hose and belting. Fabricated plastics products (except gaskets) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X X X	508 418 114 305 133 451	X X X	N N N
33311100 00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	137 476 24 217 840 227 685 313	X X X	N N N
	333112, LAWN & GARDEN TRACTOR & HOME LAWN & GARDEN EQUIPMENT MFG				
33399601 33399501	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	158 005 41 474	X X X	N N
33399901 33291203 33291207 33272203	Fluid power filters (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X	D 20 580 21 269	XX	N N N
332000AC 33200041	products Metal stampings All other fabricated metal products (except forgings)	X X X	159 490 115 934 137 602	X X X	N N N

NAICS				1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333112, LAWN & GARDEN TRACTOR & HOME LAWN & GARDEN EQUIPMENT MFG—Con.				
33211101 33211201 33151001 33152005 33152003 33120007	Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X X X X	69 154 D 62 865 99 366 D	X X X X	N N N N N
33120017 33120019	metal products). Steel sheet and strip, including tin plate. Steel structural shapes and sheet piling (except castings, forgings, and	X	47 962 588 307	X	N N
33120091	tabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	32 799 29 266	X X	N N
331000AJ 331000AA	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Match powders	x x	D 37 832	x x	N N
33361811 33361805 33632200	Metal powders. Diesel and semidiesel engines. Gasoline and other carburetor engines Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	x x	38 464 1 223 073 67 762	x x	N N N
33531201 33299105 33299103 33361200 32621001 32622001	Electric motors and generators Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Tires and inner tubes Rubber and plastics hose and belting	X X X X	16 259 25 571 13 611 165 742 208 651 57 616	X X X X	N N N N N N
32610011 32551003	Fabricated plastics products (except gaskets) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X X	240 409 28 289	x x	N N
33311100 00970099 00971000	Cabs purchased for installation on farm machinery All other materials and components, parts, containers, and supplies	X X X	336 238 136 836	X X	N N N
33399601	333120, CONSTRUCTION MACHINERY MFG Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
33399501 33291203 33291207	pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic)	X X X	724 526 267 012 189 571 277 006	X X X	N N N N
33272203 33200099 33290009 33200065 332000AC	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X X X	173 649 700 075 47 841 224 020 148 829	X X X X X	Z Z Z Z
33210001 33151001 33152011	Forgings	X X X	187 462 678 708 19 965	X X X	N N N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	697 563 346 687	×	N N
33120019 33120091	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x x	165 503 138 306	x x	N N
331000AJ 33361809 33531201 33299105	Monferrous shapes and forms (except castings, forgings, and fabricated metal products) Engines (diesel, semidiesel, gasoline, and other carburetor) Electric motors and generators Ball bearings (mounted or unmounted)	X X X X	8 892 914 670 194 378 85 445	X X X X	N N N N
33299103 33361200 32621001 32622001 32610007 32551003	Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Tires and inner tubes Rubber and plastics hose and belting. Fabricated plastics products (except gaskets, hoses, and belting). Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X X X X	74 703 261 268 249 875 96 770 56 612	X X X X	N N N N N
001900B1 00970099 00971000	products Electrical transmission, distribution, and control equipment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	91 043 336 997 3 386 550 524 161	X X X	N N N N
	333131, MINING MACHINERY & EQUIPMENT MFG				
33399601 33399501 33291203 33291207 33272203	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X	15 605 43 889 5 272 18 028	X X X	10 971 14 462 6 087 9 070
33200099 33290009 332000AC 33200065	products Fabricated structural metal products (except forgings) Fabricated metal wire products (including wire rope, cable, springs, etc.) Metal stampings All other fabricated metal products (except forgings)	X X X X	16 374 109 488 19 092 844 15 426	X X X X	7 129 27 655 8 598 N
33210001 33151001 33152011	Forgings	X X X	70 537 109 237 D	X X X	N 53 842 N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate.	X	93 798 30 193	X	52 287 7 749
33120019 33120091	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	х	22 808	x	4 887
331000AJ	metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	D 1 133	X X	7 234 N
33361809 33531201 33299105	Engines (diesel, semidiesel, gasoline, and other carburetor) Electric motors and generators Ball bearings (mounted or unmounted)	X X X	25 308 59 084 5 879	X X X	N N 6 991

NAICS				1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333131, MINING MACHINERY & EQUIPMENT MFG—Con.				
33299103 33361200	Roller bearings (mounted or unmounted)	×	17 997 46 969	×	12 523 27 963
32621001	Mechanical speed changers, gears, and industrial high-speed drives	X X X X	3 688	X X X X	N
32622001 32610007	Tires and inner tubes Rubber and plastics hose and belting Fabricated plastics products (except gaskets, hoses, and belting) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	6 598 10 101	X	5 636 2 589
32551003	Praints, varnisnes, lacquers, staints, sneliacs, japans, enamels, and ailled products Electrical transmission, distribution, and control equipment	X	7 438	x	2 067
001900B1 00970099 00971000	Electrical transmission, distribution, and control equipment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	18 796 160 360 172 079	X X X	N N 116 165
	333132, OIL & GAS FIELD MACHINERY & EQUIPMENT MFG				
33291205 33291903	Fluid power (hydraulic and pneumatic) valves All other valves	X	12 620 72 342	X	15 847 12 278
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and		17 171		17 794
33391103 33399501	pneumatic)	X X X X X X	32 773 6 860	X X X X X	10 030 12 876
33399901	Fluid power filters (hydraulic and pneumatic)	ŝ	1 536	ŝ	3 243
33291203 33200057	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	12 331 121 863	X	11 404 99 434
33210001 33151001	Forgings	X	97 017 132 874	X	N 38 411
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	x	5 521	x	14 387
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel structural shapes (except castings, forgings, and fabricated metal	x	225 453	х	165 952
33120069	products)	x	24 365	x	27 264
33120089	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	48 724	x	55 276
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	26 751	x	11 486
331000AA 33361811	Metal powders	X X X X	31 655 22 748	X X X X	13 300 20 974
33531221 33299101	Diesel and semidiesel engines Integral horsepower electric motors and generators (1 hp or more)	X	1 254 8 795	X	5 243 13 041
32600017	Ball and roller bearings (mounted or unmounted) Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	â	44 711	â	36 280
32610011	Fabricated plastics products (except gaskets) Industrial diamonds	X	7 885	X	7 993
32799903 33351503	Cutting tools for machine tools	X X X X	48 088 26 364	X X X X	5 628 19 624
00970099 00971000	All other materials and components, parts, containers, and supplies	X	637 479 502 609	X	332 044 381 901
	333210, SAWMILL & WOODWORKING MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
33391103	pneumatic)	X	16 019 335	X	5 799 231
33291207 33291203	All other pumps. Fluid power valves (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	5 525 3 715	X	3 063 1 357
33399501 33399901	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	8 200 448	X	4 530 1 006
00190089 33200057	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Fabricated metal products, except forgings	X	1 037 28 585	X	1 423 14 592
33210001 33151001	Forgings Iron and steel castings (rough and semifinished)	x x x x x x x	1 789 29 440	X X X X X X X	452 23 505
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)		6 685	x	6 912
33152003 33152003 33120007	Other nonferrous castings (rough and semifinished)	X	1 925	X	D
33120017	metal products) Steel sheet and strip, including tin plate	X	55 454 20 964	X	33 496 9 531
33120033 331000AJ	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	х	3 021	x	4 874
	metal products)	X	718	X	2 329
33531217 33531221	Other fractional horsepower electric motors (under 1 hp)	X X X X	12 804 23 990	X X X X	14 199 33 479
33299105 33299103	Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	X	8 902 4 920	X	7 155 2 294
32610011	Fabricated plastics products (except gaskets)	X	7 172	X	4 866
33410003 001900B1	Electronic computing equipment and parts Electrical transmission, distribution, and control equipment	X	26 241 15 781	X	6 207 11 626
33531413 32221001	Numerical controls for woodworking machinery and equipment Paperboard containers, boxes, and corrugated paperboard	X X X X	5 436 5 636	X X X X	2 202 5 886
00970099 00971000	All other materials and components, parts, containers, and supplies	×	124 141 69 547	X	D 82 960
	333220, PLASTICS & RUBBER INDUSTRY MACHINERY MFG				
001900B1 33399601	Electrical transmission, distribution, and control equipment	x	107 001	х	N
33391101	pneumatic). Other pumps and pump parts, except fluid power (complete assemblies).	X	40 804 9 559	×	N N
33291207 33399501	Fluid power valves (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	ŝ	21 707 21 591	ŝ	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X X X X X	12 687	X X X X X	N N
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	X	4 600 7 732	XX	N N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	х	13 554	x	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	x	35 473	x	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)		10 383		N
33200051 33210001	Other fabricated metal products (except fluid power products and forgings)	X X X X	50 027 8 144	X X X X	N N
33151001 33152005	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X	93 429 10 161	X	N N
33152003	Other nonferrous castings (rough and semifinished)	χ̈́	3 590	î l	N

NAICS		1997		1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333220, PLASTICS & RUBBER INDUSTRY MACHINERY MFG —Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
33120017	metal products)	×	68 383 18 671	X	N N
33120019 33120091	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	х	16 658	x	N
33131501	metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	25 740 8 765	X	N N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	2 207	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	4 453	x	N
33531217 33531221 33299101	Other fractional horsepower electric motors (under 1 hp) Integral horsepower electric motors and generators (1 hp or more) Ball and roller bearings (mounted or unmounted)	X X X	13 754 42 032 16 453	X X X	N N N
33361200 33391200	Mechanical speed changers, gears, and industrial high-speed drives	X	41 226 2 609	X	N N
32212031 00970099	Filter paper All other materials and components, parts, containers, and supplies	X	1 645 492 675	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	×	153 907	X	N
	333291, PAPER INDUSTRY MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	10 466	x	8 040
33391103 33291207	All other pumps Fluid power valves (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	325 20 698	X X X X X X	353 9 540
33291203 33399501 33399901	Fluid power flose of tube littings and assembles (hydraulic and prieumatic) Fluid power filters (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic)	X X X	19 437 17 248 2 251	\$	7 619 9 606 546
00190089 33200057	Other fluid power products (hydraulic and pneumatic) Fabricated metal products, except forgings	x X	7 098 73 655	â	4 568 46 924
33210001 33151001	Forgings	X X	11 403 73 337	X	7 253 35 247
33152011 33120007	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	х	13 697	х	15 268
33120017	metal products). Steel sheet and strip, including tip plate.	X	144 131 26 374	X	65 766 19 106
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	27 396	x	12 998
331000AJ 33531221	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products).	×	9 795 27 880	×	7 926 14 165
33299105 33299103	metal products) Integral horsepower electric motors and generators (1 hp or more) Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	x x	16 840 22 496	x	8 217 7 765
33361301 33361200	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives	X X X X	14 601 60 366	X X X X X X X	7 048 28 142
001900B1 32600017	Electrical transmission, distribution, and control equipment	X X X X	92 181 14 043	X	53 317 9 950
00970099 00971000	All other materials and components, parts, containers, and supplies	X	632 694 133 997	X	463 509 109 540
	333292, TEXTILE MACHINERY MFG				
00190090 33200057	Fluid power products Fabricated metal products, except forgings Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other profusor servings (rough and semifinished)	X	22 143 54 948	X	N N
33210001 33151001	Forgings . Iron and steel castings (rough and semifinished)	X	4 857 31 556	X X X X	N N
33152005 33152003 33120007	Other nonferrous castings (rough and semilinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	8 496 3 123	x	N N
33120007	metal products)	X	35 106 10 818	X	N N
33120019	fabricated metal products)	x	2 862	x	N
33120025	Steel wire and wire products	X	27 666	X	N
33120087	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	4 143	х	N
33100039 33100077	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	5 445	x	N
33531221	fabricated metal products) Integral horsepower electric motors and generators (1 hp or more)	X	10 008 18 050	×	N N
33299105 33299103	Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	X	7 174 3 041	X X X	N N
33360000	Speed reducers, gears, drives, and other mechanical power transmission equipment, except bearings	x	16 519		N
32610011 001900B1	Electrical transmission, distribution, and control equipment	X	8 535 44 668	X X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	162 425 116 353	X	N N
	333293, PRINTING MACHINERY & EQUIPMENT MFG				
00190090 33200057	Fluid power products	X	41 429 197 701	X	29 739 98 267
33210001 33151001	Forgings	X	13 891 33 951	X X X X	N 47 828
33152011 33120007	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	x x	5 316	X X	4 742 46 978
33120085	metal products) . All other steel shapes and forms (except castings, forgings, and fabricated metal products) .	X	41 541 21 068	X	46 978 16 364
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	7 993	X	10 304 N
33100077	Other nonferrous shapes and forms (except castings, forgings, and		2 314		2 979
33531217	fabricated metal products) Other fractional horsepower electric motors (under 1 hp)	X	17 635	X	12 468

	see appendixes]		1997 1992		
NAICS material code	Industry and materials consumed	100	Delivered cost	1002	Delivered cost
		Quantity	(\$1,000)	Quantity	(\$1,000)
33531221 33299105 33299103 33361200 001900B1 00970099 00971000	333293, PRINTING MACHINERY & EQUIPMENT MFG—Con. Integral horsepower electric motors and generators (1 hp or more) Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Electrical transmission, distribution, and control equipment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × ×	20 818 17 897 15 554 34 536 44 168 551 636 346 734	X X X X X	15 227 16 634 7 823 65 964 80 709 N
	333294, FOOD PRODUCT MACHINERY MFG				
33399601 33391103 33291207 33399501 33291203 33399901	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). All other pumps. Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic). Fluid power filters (hydraulic and pneumatic).	X X X X	9 007 13 329 9 544 3 984 4 938 1 786	X X X X X	9 197 9 915 9 923 3 844 4 741 2 518
00190089 332000A1	Other fluid power products (hydraulic and pneumatic) Metal tanks, heat exchangers, steam condensers, and other boiler products; fabricated steel plate and weldments	X X	2 186 40 912	X X	1 393 13 740
33200059 33210001 33151001	All other fabricated metal products, except forgings Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	68 858 6 627 23 679	X X X	35 243 2 626 27 547
33152005 33152003 33120007	Other nonferrous castings (rough and semifinished)	X X X	20 989 4 716 49 466	X X X	11 172 5 612 47 936
33120017 33120033	Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	57 603 15 089	X X	54 806 20 568
33131501 33100055 33100077	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x x	18 681 2 838	x x	17 357 8 169
33531217 33531221	fabricated metal products) Other fractional horsepower electric motors (under 1 hp) Integral horsepower electric motors and generators (1 hp or more)	X X X	12 524 14 314 18 091	X X X	11 361 7 825 23 831
33299101 33361200 001900B1 32192001 00970099 00971000	Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Electrical transmission, distribution, and control equipment Wood boxes, pallets, skids, and containers. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	12 310 21 821 43 307 5 990 324 782 284 157	x x x x x	12 767 20 218 33 071 3 815 220 403 175 701
	333295, SEMICONDUCTOR MACHINERY MFG				
001900B1 33399601	Electrical transmission, distribution, and control equipment	x x	249 994 113 985	X X	N N
33391101 33291207 33399501 33291203 33399901 00190089	pneumatic)' Other pumps and pump parts, except fluid power (complete assemblies). Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Metal holts puts screws weshers rivets and other screw machine	X X X X X	172 452 85 866 20 957 57 797 39 041 37 579	X X X X X	:
33272203 332000A1	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	x x	55 701 48 101	x x	N N
33291901 33200051 33210001 33151001 33152005 33152003	Metal pipe, valves, and pipe fittings (except forgings) Other fabricated metal products (except fluid power products and forgings) Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X X X X	41 042 202 344 D 35 507 79 590 D	× × × × ×	N N N N N
33120007 33120017 33120019	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate. Steel structural shapes and sheet piling (except castings, forgings, and	X	30 073 32 486	X	N N
33120091	fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x x	28 283 5 916	x x	N N
33131501 33100055	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x x	132 838 D	x x	N N
33100077 33531217 33531221 33299101 33361200 33391200 32212031 00970099 00971000	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Other fractional horsepower electric motors (under 1 hp) Integral horsepower electric motors and generators (1 hp or more) Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Air and gas compressors except refrigeration compressors. Filter paper All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x	D 63 483 66 805 23 128 5 513 8 489 D 1 978 113 981 273	x x x x x x	N N N N N N N N N N N N N N N N N N N
	333298, ALL OTHER INDUSTRIAL MACHINERY MFG	•			••
001900B1 33399601	Electrical transmission, distribution, and control equipment Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	x x	117 088 40 715	x x	N N
33391101 33291207 33399501 33291203 33399901 00190089	Other pumps and pump parts, except fluid power (complete assemblies). Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	X X X X X	26 602 21 620 23 360 13 060 7 483 6 413	x x x x x	
33272203 332000A1	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	x x	45 372 51 100	x x	N N

NAICS material code	Industry and materials consumed			1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
00004004	333298, ALL OTHER INDUSTRIAL MACHINERY MFG—Con.				
33291901 33200051	Metal pipe, valves, and pipe fittings (except forgings) Other fabricated metal products (except fluid power products and forgings)	X	44 979 173 863	X	N N
33210001 33151001	Forgings	X	8 592 61 994	X X X	N N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X	18 708 4 685	X X	N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products).	x	122 068	x	N
33120017 33120019	Steel sheet and strip, including tin plate	X	147 301	X	N
33120091	fabricated metal products)	X	28 619	X	N
33131501	metal products)	X X	53 827	X	N N
33100055	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	18 970 12 047	X X	N N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	18 718	x	N N
33531217 33531221	Other fractional horsepower electric motors (under 1 hp) Integral horsepower electric motors and generators (1 hp or more)	â	16 621 34 936	x x	N N
33299101 33361200	Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	x x	28 728 31 409	X	N N
33391200 32212031	Air and gas compressors except refrigeration compressors Filter paper	X	4 542 10 676	X X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products).	x	1 360	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings,				
32220017	forgings, and fabricated metal products)	X	12 766	X	N
33593101	packaging supplies	X	13 183 1 832	X	N N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	2 551	x	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	×	3 485	×	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	1 113 202 921 620	X	N N
	333311, AUTOMATIC VENDING MACHINE MFG				
33531225 001900A6	Fractional horsepower electric motors and generators (less than 1 hp)	х	48 969	x	21 266
33593101	heat transfer equipment Current-carrying wiring devices	×	36 708 82 655	X	18 605 22 369
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	17 889		8 863
332000AC 33200071	Metal stampings Other fabricated metal products (except electrical enclosures and forgings)	x x	17 168 30 046	X X X	6 645 7 747
33210001 33100035	Forgings	X	6 307	X	N 4 147
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	65 405	x	39 277
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	4 327	x	1 328
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and	_	F1 000	V	05 007
32551003	other shapes Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied	X X	51 293 12 405	x x	25 207 8 003
32220017	products Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	7 829	x	6 892
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x	252 811 39 396	x x	75 612
	333312, COMMERCIAL LAUNDRY, DRYCLEANING, &	7	35 353		70 0.2
	PRESSING MACHINE MFG				
332000AC 33290001	Metal stampings	X	13 102 12 853	X	10 785 7 943
33200069 33210001	Other fabricated metal products (except forgings)	X X X	30 315 203	X X X X	19 790 162
33100035 33120017	Castings (rough and semifinished) Steel sheet and strip, including tin plate	X	8 433 54 666	X	6 630 40 663
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	9 034	x	8 204
331000AJ 33531217	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products).	×	5 016	×	8 447
33531217	metal products). Other fractional horsepower electric motors (under 1 hp). Integral horsepower electric motors and generators (1 hp or more).	X	13 121 13 431	X	18 446 10 060
32622001 33361301	Rubber and plastics hose and belting	×	7 731 7 993	X	4 310 15 012
33361200 33593101	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives Current-carrying wiring devices	X	7 626 10 307	X	8 943 7 922
001900B1 32192001	Electrical transmission, distribution, and control equipment	X	26 950 3 691	X X X X X	20 456 2 225
00970099 00971000	All other materials and components, parts, containers, and supplies	X	63 201 23 335	X	47 027 19 089
	333313, OFFICE MACHINERY MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special			V	A1
33441200 001900C3	purpose electron tubes (except x-ray) Printed circuit boards (without inserted components) for electronic circuitry Printed memory boards for electronic circuitry	X X X	D 9 013 7 048	X X X	N N N
001900C3 001900C6	Printed memory boards for electronic circuitry Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry.	X	7 048 9 818	X	N N
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry.	X	19 284	x	N N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry.	x	D	x	N

NAICS		199	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333313, OFFICE MACHINERY MFG—Con.				
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry.	х	2 391	х	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry		28 197		N
33441400 33441500	Capacitors for electronic circuitry	X X X X X	5 066 2 428	X X X X	N N
33441700 33400017	Connectors for electronic circuitry	X	6 293 3 056	X	N N
001900D2 001900B8	Other power supply units for electronic circuitry		4 355		N
001900B1	transformers, transducers, switches, etc) exc. tubes	X X X	12 219 5 148	X X X	N N
33232201	Steel, aluminum, and other metal electronic enclosurse	×	14 477	X	N
32619901 33200003	Plastics electronic enclosures	X	8 287 17 535	X	N N
33200017 33210001	All other fabricated metal products (except forgings).	X X X X	14 089 D	X X X X	N N
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	â	1 812	x	N
331000A9	products Insulated copper wire and cable (including magnet wire)	X	9 022 3 040	X	N N
32610031 33461100	Fabricated plastics products, except enclosures Purchased software	X X X	10 546 D	X X X	N N
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring			x	N
	devices	Х	3 311		
33531201 32200001	Electric motors and generators	X	14 370	X	N
33411101	and corrugated paperboard Purchased computers	X X X	5 774 10 573	X X X	N N
33411200 33411300	Purchased peripheral storage devices	X	D 194	X	N N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	x	D	x	N
33411905 33410007	Purchased peripheral printers	X X X X	9 271 D	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	147 796 639 529	X	N N
	333314, OPTICAL INSTRUMENT & LENS MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	x	12 075	x	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	x	75 188	x	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry		22 853		N
33441400 33441500	Capacitors for electronic circuitry Resistors for electronic circuitry	X X X	4 612 1 618	X X X	N N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes.		11 095		N
33593101 001900B1	Current-carrying wiring devices	X X X	27 125 2 908	X X X	N 5 183
33410001 33451501	Electronic computing equipment	X	28 844	X	N
	instrument relays)	×	11 245	X	N
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	x	S	х	1 815
32610007	etc	X	23 899 38 630	X	5 528 N
332000A9 332000AC	Sheet metal products, except stampings	X X X	18 061 5 724	X X X	N N
332000AE 33210001	Other fabricated metal products (except forgings)	X X X	100 638 D	X I	N N
33100035 33100033	Castings (rough and semifinished)	X	D	X	N
32720003	products	X	27 166 196 038	X X X	N 88 007
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	178 229 214 866	X	N N
	333315, PHOTOGRAPHIC & PHOTOCOPYING EQUIPMENT				
33200073	MFG All other fabricated metal products (except forgings)	Y	53 572	х	N
33151001	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	6 182	X X X	N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semiinished) Other nonferrous castings (rough and semifinished) Nonferrous shapes and forms (except castings, forgings, and fabricated	X	97 522 48	×	N N
331000AJ	metal products)	x	35 505	x	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	x	563 707	x	N
32210007	Paper and paperboard products (except paperboard boxes, containers, corrugated paperboard, and photographic base papers)	X	9 950	X	Ŋ
32212025 32221001	Photographic base papers Paperboard containers, boxes, and corrugated paperboard	X	676 67 882	X	N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	Х	73 163	x	N
32611303	Unsupported plastics film and sheet for photographic, mimeographic, X-ray,		_		
32610011	etc. Fabricated plastics products (except gaskets) Photographic and projection lenses and prisms	X	D 269 701	X	N N
33331405 32599203	Photographic and projection lenses and prisms Light sensitive films and papers All other materials and components, parts, containers, and supplies	X X X X	D D	X X X X	N N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	1 321 588 284 688	X	N N

NAICS	ee appendixes]	199	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333319, OTHER COMMERCIAL & SERVICE INDUSTRY MACHINERY MFG				
001900B1 33399601	Electrical transmission, distribution, and control equipment	х	155 103	х	N
33291207 33399501	pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X X X	68 315 53 820 19 129	X X X	N N N
33291203 33399901 00190089	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X	41 397 25 396 9 310	X X X X	N N N
33272203	products	x	66 710	x	N
33200051 33210001 33151001	Other fabricated metal products (except fluid power products and forgings)	X X X	27 449 5 946 67 925	X X	N N N
33152005 33152003 33120007	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	XXX	9 813 6 360	X	N N N
33120017 33120019	metal products)	X	59 385 254 224	X	N N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	х	21 510	x	N
33100077	metal products) . Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	44 419 49 118	X X	N N
33531217 33531221	Other fractional horsepower electric motors (under 1 hp)	X	23 702 93 994	X	N N
33299101 33361200 33391103	Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	X X X	6 472 27 201 60 191	X	N N 24 802
33290001 33200077	All other pumps Metal pipe, valves, and pipe fittings, except plumbers' and forgings Other fabricated metal products, except electrical enclosures and forgings	X	40 703 141 131	X X X X	44 406 89 971
33152011 33100039	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	22 584 26 308		22 766 N
33531225 32521105	Fractional horsepower electric motors and generators (less than 1 hp) Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X X	53 271 80 694	X X	43 263 52 251
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	72 343	x	70 642
00190091 33593101	Electrical enclosures (metal and plastics) Current-carrying wiring devices Paper and paperboard containers, including shipping sacks and other paper	X	20 011 38 669	X	19 284 N
32220017 33200097	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Other fabricated metal products (except forgings).	X	42 998 6 063	X	N N
00190090 332000AC 33200033	raper and paperboard containers, including simpling sacks and other paper packaging supplies. Other fabricated metal products (except forgings) Fluid power products Metal stampings Other fabricated metal products (except forgings) Printed circuit boards (without inserted components) for electronic circuity	X X X	5 994 4 066 8 461	X X X X	N N N
33441200 001900C4	Fillited circuit assemblies, loaded boards of modules (printed circuit boards	X	7 202		N
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.	X X	7 542 5 686	X X	N N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	x	8 265	x	N
331000A7 33410001 33331401	Insulated wire and cable, including magnet wire Electronic computing equipment Outloal instruments and leness (except sighting tracking and fire control)	X X X	4 182 D D	X X X	N N N
32610007 00970099	Optical instruments and lenses (except sighting, tracking, and fire control) Fabricated plastics products (except gaskets, hoses, and belting) All other materials and components, parts, containers, and supplies	X	4 948 1 096 786	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	823 033	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	24 758	x	N
33291901 33200051 33200099	Metal pipe, valves, and pipe fittings (except forgings) Other fabricated metal products (except fluid power products and forgings)	X X X X X	43 077 21 906 43 826	X	N N N
00190090 33210001	Fluid nower products	X	17 611 D	X X X X X X	N N
33151001 33152011 33120007	Forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	21 840 D		N N
33120017 33120033	metal products). Steel sheet and strip, including tin plate.	X	39 552 100 262	X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products). Other nonferrous shapes and forms (except castings, forgings, and	Х	11 537	х	N
33100039	fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	52 601 45 142	X X	N N
33531201 33299101	Electric motors and generators	X	40 778 4 189	X	N N
00190011 00970099	Flexible packaging materials and paperboard containers and boxes and corrugated paperboard	X	21 027 257 891	X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	104 372	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	17 918	x	N
00190090 33200051	Fluid power products. Other fabricated metal products (except fluid power products and forgings).	X X X	D D 37 446	X X X	N N N
33200099 33291901 33210001	Fabricated structural metal products (except forgings) Metal pipe, valves, and pipe fittings (except forgings) Forgings	X	3 408 5 418	X X X X	N N
33151001 33152011	Iron and steel castings (rough and semifinished)	X X X	23 939 19 082	X	N N

NAICS		1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333412, INDUSTRIAL & COMMERCIAL FAN & BLOWER MFG —Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
33120017	metal products)	X	30 079 110 643	X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products).	x	7 409	x	N
33100077 33100039	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	x	5 014	x	N
33531201	forgings, and fabricated metal products) Electric motors and generators Ball and roller bearings (mounted or unmounted)	X	22 467 94 586	X	N N
33299101 00190011	Ball and roller bearings (mounted or unmounted)	X	25 216	X	N
00970099 00971000	corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	9 440 231 896 156 619	X X X	N N
	333414, HEATING EQUIPMENT (EXCEPT WARM AIR				
33272203	FURNACES) MFG Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200037	products	X	20 071 242 958	×	N N
33210001 33151001	Forgings	X X X	9 956	X X X X	N N
33152011	Forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	â	73 431 30 321	â	N
33120007 33120017	metal products)	X	23 175 161 760	X	N N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	21 501	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	12 618	x	N N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	33 797	x	N.
33531201	, ,	x	57 729		N
33451200 32221001	Electric motors and generators Automatic temperature controls (thermostats, regulators, etc.) Paperboard containers, boxes, and corrugated paperboard	X X X	115 062 42 994	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	385 778 265 107	X	N N
	333415, AC & WARM AIR HEATING & COMMERCIAL/ INDUSTRIAL REFRIG EQUIP MFG				
33151001	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	×	363 827	×	N
33152005 33152003	Other nonferrous castings (rough and semifinished)	X X X X	94 726 10 184	X X X X	N N
33210001 33120017 33142135	Forgings . Steel sheet and strip, including tin plate.	â	26 023 722 136	â	N N
33131501	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	532 341 314 793	X	N N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	76 507	x	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	x	67 220	x	N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	x	1 686 209	x	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp).	х	233 853	х	N
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	×	334 893 772 225	×	N N
33531221 33341200	Integral horsepower electric motors and generators (1 hp or more) Fans and blowers Electrical transmission, distribution, and control equipment	ŝ	160 903 494 627	ŝ	N N N
001900B1 33593101	Current-carrying wiring devices	X X X X	191 831	X X X X	N N N
33451200 33299101	Automatic temperature controls (thermostats, regulators, etc.) Ball and roller bearings (mounted or unmounted) Metal bolts, nuts, screws, washers, rivets, and other screw machine	â	361 032 32 498	â	N N
33272203 332000AC	metal boits, nuts, screws, wasners, rivers, and other screw machine products Metal stampings	X	168 472 274 329	X	N N
33251005	Metal hardware, including hinges, handles, locks, casters, etc.		70 484		N N
33291901 33200053	Metal pipe, valves, and pipe fittings (except forgings) All other fabricated metal products (except forgings)	X X X	198 373 315 747	X X X	N N N
33120007	Steel bars, bar shapes, and plates (except torgings), forgings, and fabricated metal products)		288 263	x	N N
33120025 33120035	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated	X	33 633	â	N
33142143	metal products). All other copper and copper-base alloy shapes and forms (except castings,	x	156 366	x	N
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	109 780	x	N
32220017	fabricated metal products) Paper and paperboard containers, including shipping sacks and other paper	x	15 873	х	N
32192003	packaging supplies. Wooden containers, complete (including combination wood and	×	161 505	Х	N
	paperboard)	X	45 406	X	N
32510027 32521105	Refrigerant gases and other synthetic organic chemicals	X	85 994	X	N
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes.	X	59 485 94 501	X X	N N
32610007 32622001	Rubber and plastics products (except gaskets, hoses, and belting) Rubber and plastics hose and belting	X X X X X	169 435 42 354	X X X X X	N N
33999101 32799301	Gaskets (all types) and asbestos packing Mineral wool insulation (fibrous glass, rock wool, etc.)	\hat{x}	43 206 94 281	Ŷ	N N
00970099	All other materials and components, parts, containers, and supplies	â	1 472 027 1 160 160	â	N N

Sample Control Contr	NAICS	ee appendixes]	199	7	1992	
Mate Units Color Color	material	Industry and materials consumed	Quantity		Quantity	
Bookston		333511, INDUSTRIAL MOLD MFG				
Security Security	33272203		×	26, 204	_	N
Section Sect		Other fabricated metal products (except forgings)	X	51 896	ŝ	N
The company of the	33151001	Iron and steel castings (rough and semifinished)	X	52 290	X	N
Strong	33152011 33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
### Annah Production	33120017	Steel sheet and strip, including tin plate			×	
All other aluminum and aluminum-base ally drapes and forms (except casting), forging, and 15 350 X		metal products)			×	
	33100055	All other aluminum and aluminum-base alloy shapes and forms (except				
SYPTIONS	33100077	Other nonferrous shapes and forms (except castings, forgings, and	V	0.700	V	N.
SYPTIONS		Tungsten carbide metal powders.	X	777	X	N
SYPTIONS	00190023	Iron and steel scrap (excluding home scrap)	X	929	X	N
2500002 Ceruminic awi materials, including powders, chemicals, and tibers (excluding your proposed parts), compression and accessions compression parts, compressions, and accessions and accessions compressions and accessions compressions, and accessions, and accessions. X 217 356	001900B1	Electrical transmission, distribution, and control equipment	X	5 071	X	N
effection 1 1 1 1 1 1 1 1 1	00190090	Fluid power products.	X		X	N N
333912, MACHINE TOOL (METAL CUTTING TYPES) MFG		refractory uses)			x	Ņ
Fuel power pumps motors, and hydrocalast transmissions (hydraulic and pneumatio)	00970099	All other materials and components, parts, containers, and supplies	X	217 336	X X	N
December December		333512, MACHINE TOOL (METAL CUTTING TYPES) MFG				
Plud power littles (hydraulic and preumatic)	33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic).	x	43 237	x	33 161
Metab bolts, nuts, seriews, washers, invets, and other screw machine		Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	3 128	X	4 491
Satisfaction Sati		Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X		X	
Sile Dars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, an		Metal bolts, nuts, screws, washers, rivets, and other screw machine products			x	
Sile Dars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, and fabricated metal products). Sile Dars, bar shapes (except castings, forgings, an	33210001	Forgings	X	15 390	X	N
Sample Products Sample		Iron and steel castings (rough and semifinished)	X		X	
State Sheet and strp. including in plate X 20 978 X 18 294	33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
10 11 12 13 13 13 13 13 13		Steel sheet and strip, including tin plate		63 625 20 978	X	39 803 18 294
Metal products State Sta		products)	x	8 843	х	10 411
metal products		metal products)	x	30 467	x	6 183
Subsynchronous (less than 1 hp).		metal products)	x	10 824	x	N
Integral horsepower electric motors and generators (1 hp or more)		subsynchronous (less than 1 hp)		26 860	×	
Section Sect	33531221	Integral horsepower electric motors and generators (1 hp or more)	X	25 202	X	20 218
Programmable controllers for metalworking machinery				23 855	â	13 374
Sa299105 Ball bearings (mounted or unmounted)		Numerical controls for metalworking machinery (except programmable) Programmable controllers for metalworking machinery			X	
All other materials and components, parts, containers, and supplies, n.s.k. X 689 424 X N N	33299103	Roller bearings (mounted or unmounted)	X	8 298	X	7 484
All other materials and components, parts, containers, and supplies, n.s.k. X 689 424 X N N	32192001	Mechanical speed changers, gears, and industrial high-speed drives	X	6 440	X	5 918
33399601 Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) X	00970099	All other materials and components, parts, containers, and supplies	X	689 424	X	N
Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	00971000		X	504 834	X	N
Priud power vilinders and rotary actuators (hydraulic and pneumatic)	33399601					
Sassa Fluid power filters (hydraulic and pneumatic) X 2 920 X 2 180		pneumatic)	X		X	18 322 8 777
Metal bolts, nuts, screws, washers, rivets, and other screw machine products X	33399901	Fluid power filters (hydraulic and pneumatic)	X	2 920	X	2 180
11 496 3320068 20ther fabricated metal products (except fluid power products and forgings) X	33291207	Fluid power valves (hydraulic and pneumatic) Metal holts, nuts, screws, washers, rivets, and other screw machine	X		X	
Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). X 69 502 X 76 423 X 7883 X 7271 X 21 069 X 7271		products			X	
Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). X 69 502 X 76 423 X 7 883 X 8 83 X 8 83 X 8 84 X 8	33151001	Forgings	X	32 070	X	29 738
metal products)		Nonterrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 217	×	N
33120069 Steel structural shapes (except castings, forgings, and fabricated metal products). X 7 271 X 21 069		metal products)	X		X	
Ail other steel shapes and forms (except castings, forgings, and fabricated metal products).		Steel structural shapes (except castings, forgings, and fabricated metal				
331000AJ Nonferrous shapes and forms (except castings, forgings, and fabricated metal products).	33120091	All other steel shapes and forms (except castings, forgings, and fabricated				
S3531209 Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated				
001900B1 Electrical transmission, distribution, and control equipment X 32 233 X 19 668		Fractional horsenower electric timing motors, synchronous and		2 112	x	
001900B1 Electrical transmission, distribution, and control equipment X 32 233 X 19 668	33531221	Other fractional horsepower electric motors (under 1 hp)		3 666 15 071	X	620 15 547
		Electrical transmission, distribution, and control equipment	××	32 233 6 694	X	

NAICS	ee appendixesj	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333513, MACHINE TOOL (METAL FORMING TYPES) MFG— Con.				
33531409 33531411 33299105 33299103 33361200 32192001 33351503 00970099 00971000	Numerical controls for metalworking machinery (except programmable) Programmable controllers for metalworking machinery Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Wood boxes, pallets, skids, and containers Cutting tools for machine tools. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x	13 826 22 763 9 014 9 425 15 816 3 851 15 831 197 101 168 017	x x x x x x x	3 704 22 956 4 878 3 049 8 272 2 893 16 614 141 601 110 613
	333514, SPECIAL DIE & TOOL, DIE SET, JIG, & FIXTURE MFG				
33272203 33200095 33210001 33151001 33152011 33120007	Metal bolts, nuts, screws, washers, rivets, and other screw machine products Other fabricated metal products (except forgings) Forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x x x x	87 646 113 706 10 461 96 376 30 869 318 976	X X X X	N N N N N N N N N N N N N N N N N N N
33120017 33120033	Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products).	X	108 574 40 773	X	N N
33131501 33100055	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x x	16 402 5 932	X X	N N
33100077 33149200 331000AC 00190023 32799903 001900B1 32791001 00190090 32500023	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products). Tungsten carbide metal powders. All other metal powders. Iron and steel scrap (excluding home scrap). Industrial diamonds. Electrical transmission, distribution, and control equipment Grinding wheels and other abrasive products, except industrial diamonds. Fluid power products. Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses). Ceramic and ceramic composite parts, components, and accessories.	x x x x x x x x	14 243 28 988 2 572 2 438 8 892 21 013 18 993 46 859 1 889 2 032	× × × × × × × ×	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
00970099 00971000	All other materials and components, parts, containers, and supplies	X	336 805 364 569	x	N N
33272203 33200095 33210001 33151001 33152011 33120007 33120007 33120003 33131501 33100055 33100077 33149200 331000AC 00190023 32799903 001900B1 32791001 00190090 32500023 32700035 00970099 00971000	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other fabricated metal products (except forgings) Forgings. Iron and steel castings (rough and semifinished). Nonferrous (aluminum, copper, etc.) castings (rough and semifinished). Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate. All other steel shapes and forms (except castings, forgings, and fabricated metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing. All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products). Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products). Tungsten carbide metal products). Iungsten carbide metal powders. All other metal powders. Industrial diamonds. Electrical transmission, distribution, and control equipment Grinding wheels and other abrasive products, except industrial diamonds Fluid power products. Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses). Ceramic and ceramic composite parts, components, and accessories All other materials and components, parts, containers, and supplies	x x x x x x x x x x x x x x x x x x x	37 492 56 759 14 241 50 575 4 282 283 838 9 136 25 244 4 723 6 922 7 697 22 67 727 8 607 2 360 40 395 19 222 56 985 29 673 6 680 5 777 193 229 233 869	x x x x x x x x x x x x x x x x x x x	ZZZZ ZZ ZZ ZZ ZZZZZZZ ZZZZZ
33399601 33399501 33399901 33291207 33272203 33200063 33210001 33151001 33152011	333516, ROLLING MILL MACHINERY & EQUIPMENT MFG Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine products Other fabricated metal products (except fluid power products and forgings) Forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	x x x x x x	9 322 7 715 1 735 3 733 3 471 4 345 20 411 43 198 12 706 1 349	X X X X X	4 761 2 099 258 1 699 679 2 138 9 636 N 9 992 N
33120007 33120017	Steel bars, ber shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate.	×	23 947 1 716	X X	16 912 1 482
33120017 33120069 33120091	Steel structural shapes (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	X	3 370	x	2 532
331000AJ 33531209 33531217	An other seer shapes and forms (except castings, forgings, and fabricated metal products). Nonferrous shapes and forms (except castings, forgings, and fabricated metal products). Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp). Other fractional horsepower electric motors (under 1 hp).	x x x	2 090 104 143 D	x x x	5 107 N 1 370 D

NAICS		19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333516, ROLLING MILL MACHINERY & EQUIPMENT MFG— Con.				
33531221 001900B1 33500007 33531409 33531411 33299105 33299103 33361200 32192001 33351503 00970099 00971000	Integral horsepower electric motors and generators (1 hp or more) Electrical transmission, distribution, and control equipment Electrical industrial capacitors, resistors, rheostats, and coil windings Numerical controls for metalworking machinery (except programmable) Programmable controllers for metalworking machinery Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Wood boxes, pallets, skids, and containers Cutting tools for machine tools All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x x x x x x x x	12 328 11 868 3 399 D 5 129 9 582 5 694 16 252 1 1076 2 273 65 487 23 481	x x x x x x x x x	1 506 3 664 D D 2 614 D 2 483 D 308 2 707 43 300 25 897
	333518, OTHER METALWORKING MACHINERY MFG				
33399601 33399501 33399901 33291203 33291207 33272203 33200063 33210001 33151001 33152011	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power filters (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic). Fluid power valves (hydraulic and pneumatic). Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other fabricated metal products (except fluid power products and forgings). Forgings. Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished).	x x x x x x	25 918 14 140 1 819 5 471 14 767 11 639 35 917 2 276 41 070 3 757	x x x x x x x	9 918 6 432 1 107 3 217 4 979 7 448 18 115 N 8 647
33120007	Steel bars har shapes and plates (except castings forgings and fabricated				
33120017 33120069	metal products). Steel sheet and strip, including tin plate. Steel structural shapes (except castings, forgings, and fabricated metal	X	30 806 15 001	XX	23 351 5 042
33120091	All other steel shapes and forms (except castings, forgings, and fabricated	X	7 508	X	4 212
331000AJ	metal products). Nonferrous shapes and forms (except castings, forgings, and fabricated metal products).	X X	6 222 3 046	X X	3 970 N
33531209	metal products) Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp).		15 133		2 120
33531217 33531221 001900B1 33500007	subsynchronous (less than 1 hp). Other fractional horsepower electric motors (under 1 hp). Integral horsepower electric motors and generators (1 hp or more) Electrical transmission, distribution, and control equipment Electrical industrial capacitors, resistors, rheostats, and coil windings	X X X X	2 737 20 268 85 359 7 026	X X X X	2 533 12 340 40 427 3 029
33531409 33531411 33299105 33299103 33361200 32192001 33351503 00970099 00971000	Numerical controls for metalworking machinery (except programmable) Programmable controllers for metalworking machinery Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Wood boxes, pallets, skids, and containers Cutting tools for machine tools. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X X	4 069 23 346 12 310 6 853 14 465 4 255 10 251 398 657 487 226	x x x x x x x	1 346 12 050 4 324 3 372 8 351 1 601 2 732 150 700 165 960
	333611, TURBINE & TURBINE GENERATOR SET UNIT MFG				
33399601 33399501 33399901 33291203 33291207 33272203 332000AC 332000A1	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power filters (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Metal stampings. Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	x x x x x x	D D D 28 254 49 428 D 28 802	x x x x x x	2 278 D D 30 712 41 921 D
33200099 33200079	Fabricated structural metal products (except forgings) All other fabricated metal products (except forgings)	X X X	D 182 209	X	D 161 166
33211101 33211201 33151001 33152005 33152003 33120007 33120017 33120033 331000AJ	Iron and steel forgings . Nonferrous forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x x x x x x	406 288 D 386 958 3 025 669 85 557 26 263 37 986	x x x x x x	D D D 330 634 1 729 D D 70 928 24 716 19 363 34 015
33631100	Pistons, piston rings, carburetors, valves (intake and exhaust only)	Х	_	X	D
33632200 33531221 33299105 33299103 33361301 33361200 33361103 3399101 32622001 33351503 00970099	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc. Integral horsepower electric motors and generators (1 hp or more) Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives Turbines purchased for incorporation into turbine generator sets Generators purchased for incorporation into turbine generator sets Gaskets (all types) and asbestos packing Fabricated plastics products (except gaskets) Rubber and plastics hose and belting Cutting tools for machine tools. All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, m.s.k.	x x x x x x x x x x x	D D D 32 794 12 654 D D D 14 245 516 697 71 851	x x x x x x x x x x	D D D D D D D D D D D D D D D D D D D

NAICS	ee appendixes]	199	17	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333612, SPEED CHANGER, INDUSTRIAL HIGH-SPEED		, , ,	,	<u> </u>
33272203	DRIVE, & GEAR MFG Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200095	products	X	19 970 37 765	X	17 146 18 257
33211103 33211111	Cold iron and steel forgings	XX	23 960 65 620	X X X	16 280 31 872
33211201 33151001	Nonterrous forgings	XX	6 149 80 934	X	2 583 59 964
33152011 33120007	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	24 076	X	12 416
33120017 33120033	metal products) . Steel sheet and strip, including tin plate	X	88 629 -	X	46 470 842
33120033	metal products)	х	40 740	x	3 632
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	12 314	x	5 494
33100075 00190060	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding	х	6 252	x	4 294
33299105	Sociaty, including front, sieer, administration automation least entry (excluding home scrap) Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	×	3 487 21 528	X	N 16 159
33299103 33299107	Roller bearings (mounted or unmounted) Balls, rollers, cages, collars, races, and other antifriction bearing	â	41 914	x	22 933
33361305	components and parts	X	6 021	X	1 434
33531207	transmission equipment	X	77 653 87 441	X	44 620 47 448
32221001 32791001	Paperboard containers, boxes, and corrugated paperboard Grinding wheels and other abrasive products, except industrial diamonds	X	6 419 2 858	X	3 984 N
33399601 33510000	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Special dies, tools, die sets, jigs, and fixtures, except cutting tools for	х	12 423	x	N
00970099	machine tools All other materials and components, parts, containers, and supplies	X	7 685 63 019	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	58 059	X	77 834
	333613, MECHANICAL POWER TRANSMISSION EQUIPMENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	х	27 506	Y	28 177
33200095 33211103	Other fabricated metal products (except forgings)	x x	48 527 31 136	X X X X	33 903 15 789
33211111 33211201	Cold iron and steel forgings Other iron and steel forgings Nonferrous forgings	X	16 520 420	X	13 891 158
33151001 33152011	Iron and steel castings (rough and semifinished)	XX	131 235 21 052	X	60 398 23 482
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	160 897	x	109 548
33120017 33120033	Steel sheet and strip, including tin plate . All other steel shapes and forms (except castings, forgings, and fabricated metal products) .	X X	79 322 35 125	X X	43 696 22 664
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,	x		x	8 911
33100075	and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	23 305 9 277	×	9 341
00190060	fabricated metal products) Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	x	9 007	x	D D
33299105 33299103	Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Balls, rollers, cages, collars, races, and other antifriction bearing	XX	25 074 17 562	X	10 380 5 524
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts. Clutches, couplings, shafts, sprockets, and other mechanical power	x	26 175	x	D
33361305 33531207	transmission equipment	×	153 318 9 798	×	15 763 12 356
32221001 32791001	Electric motors, generators, and parts Paperboard containers, boxes, and corrugated paperboard Grinding wheels and other abrasive products, except industrial diamonds	X X X	11 559 D	X X X	6 934 N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
33361809 33510000	pneumatic)	X	16 800 D	X	N N
00970099	machine tools All other materials and components, parts, containers, and supplies	X	16 673 137 650	×	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	84 219	X	144 610
	333618, OTHER ENGINE EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic).	X	474 655	×	N
33399501 33399901 33291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X X	50 545 55 747 40 671	X X X	N N N
33291207 33272203	Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	â	18 535	â	N
332000AC	products	X	201 601 154 453	X	N N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	×	161 268	×	N
33200099 33200079	Fabricated structural metal products (except forgings) All other fabricated metal products (except forgings)	X	592 825	X	N N
33211101 33211201	Iron and steel forgings	×	558 185 D	X X	N N
33151001 33152005	Iron and steel castings (rough and semifinished)	XX	1 574 339 747 609	X	N N
33152003 33120007	Other nonferrous castings (rough and semifinished)	X	112 695	X	N
33120017 33120033	metal products) . Steel sheet and strip, including tin plate	X	76 962 50 462	X	N N
30120003	metal products)	x	83 419	x	N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333618, OTHER ENGINE EQUIPMENT MFG—Con.				
331000AJ 33631100 33632200	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products). Pistons, piston rings, carburetors, valves (intake and exhaust only). Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X X X	17 340 779 546 628 838	X X	N N
33531221 33299105 33299103 33361301 33361200 33361101 33361103	Integral horsepower electric motors and generators (1 hp or more) Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives Turbines purchased for incorporation into turbine generator sets Generators purchased for incorporation into turbine generator sets	X X X X X X	D 18 127 23 206 68 181 262 801	X X X X X N	N N N N N N N N
33999101 32610011 32622001 33351503 00970099 00971000	Gaskets (all types) and asbestos packing Fabricated plastics products (except gaskets) Rubber and plastics hose and belting Cutting tools for machine tools All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X X	112 627 62 195 54 819 59 843 2 276 614 551 460	X X X X	N N N N N N N N N N N N N N N N N N N
	333911, PUMP & PUMPING EQUIPMENT MFG				
33399601 33291211 33272203	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power valves and hose and tube fittings and assemblies. Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	145 361 29 210	X	N N
33291901 33200099 33200051 33211101 33211201 33151001 33152005	products Metal pipe, valves, and pipe fittings (except forgings) Fabricated structural metal products (except forgings) Other fabricated metal products (except fluid power products and forgings). Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X X X X	58 304 75 840 126 327 55 326 39 186 9 369 380 128 66 792	X X X X X	N N N 28 628 5 722 N 39 396
33152003 33120007	Other nonferrous castings (rough and semifinished)	х	115 989	Х	70 849
33120017 33120033	metal products) Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	168 062 9 323 17 994	X X	N N 10 357
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	34 772	x	4 364
33100077 33361809 33531211 33531221 33299101	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Engines (diesel, semidiesel, gasoline, and other carburetor) Fractional horsepower electric motors (less than 1 hp) Integral horsepower electric motors and generators (1 hp or more) Ball and roller bearings (mounted or unmounted)	X X X X	26 177 41 084 248 326 192 385 38 173	X X X X	N 56 701 175 952 169 278 19 928
32221001 32600011 32610011 33999103 001900B1 32551003	Paperboard containers, boxes, and corrugated paperboard Fabricated rubber products, except gaskets Fabricated plastics products (except gaskets) Gaskets (all types), and packing and sealing devices Electrical transmission, distribution, and control equipment Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied	X X X X	26 744 26 582 79 824 57 502 106 531	X X X X	19 508 23 048 46 688 33 383 55 051
00190087 00970099 00971000	products Other fluid power products (hydraulic and pneumatic) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	27 003 62 684 328 131 295 837	X X X	4 909 N N N
	333912, AIR & GAS COMPRESSOR MFG				
33399601 33291211 00190087 33272203	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power valves and hose and tube fittings and assemblies Other fluid power products (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X	50 727 29 493 19 630	X X X	N N N
33200051 33291901 33200099 33211101 33211201 33151001	products . Other fabricated metal products (except fluid power products and forgings) . Metal pipe, valves, and pipe fittings (except forgings) . Fabricated structural metal products (except forgings) . Iron and steel forgings . Iron and steel castings (rough and semifinished) .	X X X X X X	54 399 87 341 53 812 159 426 32 285 D 188 855	X X X X X	39 448 N N N 42 270 1 149 130 175
33152005 33152003 33120007	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	45 762 D	X	28 123 5 019
33120017 33120033	metal products) . Steel sheet and strip, including tin plate . All other steel shapes and forms (except castings, forgings, and fabricated	X	53 128 38 299	X	49 298 29 404
33100077	metal products). Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	16 981 7 393	X X	10 898 N
33100039 33361809 33531217 33531221	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Engines (diesel, semidiesel, gasoline, and other carburetor) Other fractional horsepower electric motors (under 1 hp) Integral horsepower electric motors and generators (1 hp or more)	X X X X	6 915 67 588 45 855 204 082	X X X	3 830 92 631 52 918 83 186
33299101 32221001 32600011 32610011 33999103 001900B1 32551003	Ball and roller bearings (mounted or unmounted) Paperboard containers, boxes, and corrugated paperboard Fabricated rubber products, except gaskets Fabricated plastics products (except gaskets) Gaskets (all types), and packing and sealing devices Electrical transmission, distribution, and control equipment Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied	X X X X X	30 096 29 282 17 165 45 325 30 119 87 487	X X X X	19 546 14 157 6 451 27 761 28 563 68 183
00970099 00971000	products All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	10 015 514 633 385 669	X X	7 212 366 028 244 669

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333913, MEASURING & DISPENSING PUMP MFG				
00190087 33399601	Other fluid power products (hydraulic and pneumatic)	х	D	X	N
33291211 33272203	pneumatic) Fluid power valves and hose and tube fittings and assemblies Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	D 10 899	XX	N N
33200051 33291901	products . Other fabricated metal products (except fluid power products and forgings)	X X X	16 477 D 5 398	XXX	16 604 N N
33200099 33211101	Fabricated structural metal products (except forgings) Iron and steel forgings	x x	11 090 489	X X X X X	N N
33211201 33151001	Nonferrous forgings	X X	D 24 701	X X	N 9 979
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	40 194 1 308	××	16 596 3 413
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	8 826	×	3 413 N
33120017 33120033	Steel sheet and strip, including tin plate	Х	24 057	X	16 680
33100077	metal products) . Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	1 789 666	X X	N N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 849	×	4 916
33361809 33531217	Engines (diesel, semidiesel, gasoline, and other carburetor)	X X	D 28 369	X	N 13 099
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	5 912	X	2 481
33299101 32221001 32600011	Ball and roller bearings (mounted or unmounted) Paperboard containers, boxes, and corrugated paperboard Fabricated rubber products, except gaskets	X X X	5 729 9 482 6 584	X X X	2 091 5 147 5 828
32610011 33999103	Fabricated plastics products (except gaskets) Gaskets (all types), and packing and sealing devices	x X	26 238 7 612	x x	31 812 7 479
001900B1 32551003	Electrical transmission, distribution, and control equipment	x	24 655	x	8 506
00970099	products	X X	2 121 70 690	X	1 369 104 820
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	41 204	X	30 925
33399601	333921, ELEVATOR & MOVING STAIRWAY MFG Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
33399501	pneumatic)	X X	29 275 29 528	X X	17 819 18 625
33399901 33291203	Fluid power filters (hydraulic and pneumatic)	X	D 7 533	X X X	N 4 989
33291207 33200057	Fluid power valves (hydraulic and pneumatic) Fabricated metal products, except forgings	X	10 321 44 111	X	7 955 31 159
33211101 33211201 33151001	Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished)	X X X	16 140 840 24 362	X X X	1 912 N 10 441
33152011	Nonterrous (aluminum, copper, etc.) castings (rough and semifinished)	â	4 685	â	3 694
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	88 460 111 437	×	57 641 71 738
33120017	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	×	24 673	×	22 424
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	50 039	x	27 591
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	7 679	x	5 435
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	22 645	x	12 203
33100083 33361805	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Gasoline and other carburetor engines	X	3 251 D	X	2 512 N
33531205	Fractional horsepower electric motors (less than 1 hp) (excluding timing motors).	×	8 040	^	5 013
33531221 001900B1	Integral horsepower electric motors and generators (1 hp or more)	X X	11 709 90 169	XXX	7 836 53 919
33591101 33299105	Storage batteries Ball hearings (mounted or unmounted)	X	470 8 761	X	495 4 926
33299103 33361200	Storage batteries Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	x x x x x	4 728 10 766	X	3 991 4 599
32621003 32622001	Rubber and plastics hose and belting.	X	6 9 559	X X X X X X X	N 4 052
00970099 00971000	All other materials and components, parts, containers, and supplies	X	91 861 85 154	X	86 999 50 317
	333922, CONVEYOR & CONVEYING EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	27 126	x	N
33399501 33399901	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	29 339 5 235	X	N N
33291203 33291207 33272203	Fluid power hose or fube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	9 766 23 594	X	N N
33211101	products	X	5 423 33 385	××	N N
33211201 33151001	Nonferrous forgings Iron and steel castings (rough and semifinished)	X X	1 220 74 892	X X	N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	Х	234 275	x	N
33120017 33120019	Steel sheet and strip, including tin plate	Х	217 295	x	N
33120091	fabricated metal products)	X	85 298	x	N
33361805	metal products)	X	67 394 540	X	N N
33531201 33299105	Electric motors and generators Ball bearings (mounted or unmounted)	X	103 361 71 998	XX	N N

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333922, CONVEYOR & CONVEYING EQUIPMENT MFG—Con.				
33299103 33361200 32622001 33200057	Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Rubber and plastics hose and belting Fabricated metal products, except forgings	X X X X	55 875 81 612 68 320 210 570	X X X X	N N N 128 714
33152011 33142111	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	10 603 1 189	X X	5 405 400
33100039 33100083	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products). Other nonferrous shapes and forms (except castings, forgings, and	X	35 432	X	12 665
001900B1	fabricated metal products) Electrical transmission, distribution, and control equipment Pneumatic tires and inner tubes	X X	9 289 111 525	X X	5 370 56 044
32621003 00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	7 687 386 979 397 796	X X X X	3 111 N N
	333923, OVERHEAD TRAVELING CRANE, HOIST, & MONORAIL SYSTEM MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic).	X	146 852	x	N
33399501 33291203 33291207 33272203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X X X	84 225 23 394 32 674	X X X	N N N
33200099 33290009	products Fabricated structural metal products (except forgings) Fabricated metal wire products (including wire rope, cable, springs, etc.).	X X X	17 522 133 260 98 472	X X X	N N N
33200065 332000AC 33210001	All other fabricated metal products (except forgings)	X X X X	55 014 19 115 18 574	X X X X X	N N N
33151001 33152011	Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	×	54 756 8 817	X	N N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D 62 089	X X	N N
33120019	metal products) Steel sheet and strip, including tin plate Steel shrutural shapes and sheet pilling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products)	Х	22 692	x	N
33120091 331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated	X	25 047	x	N
33361809 33531201	metal products). Engines (diesel, semidiesel, gasoline, and other carburetor).	X X X	16 678 D 55 376	X X X	N N N
33361200	Electric motors and generators Mechanical speed changers, gears, and industrial high-speed drives	Х	68 854		N
32621001 32622001 32610007 32551003	Tires and inner tubes Rubber and plastics hose and belting Fabricated plastics products (except gaskets, hoses, and belting) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X X X	D 2 347 3 035	X X X	N N N
001900B1 33399901	products Electrical transmission, distribution, and control equipment Fluid power filters (hydraulic and pneumatic)	X X X	11 139 50 952 3 031	X X X	N N 145
33299101 00970099 00971000	Ball and roller bearings (mounted or unmounted) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	25 177 194 067 171 675	× × × × ×	6 097 59 140 N
	333924, INDUSTRIAL TRUCK, TRACTOR, TRAILER, & STACKER MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic).	X	160 655	×	N
33399501 33399901 33291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	x x x x x x x	147 825 5 594 43 186	X X X X X X	N N N
33291207 33200057	Fluid power valves (hydraulic and pneumatic)	X X	58 882 213 575	X	N N
33211101 33211201 33151001	Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X X X	60 415 3 509 145 932	X	N N N
33152011		Х	37 620	Х	N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate	X X	350 314 151 550	×	N N
33120019 33120091	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	Х	72 374	×	N
33142111	metal products)	X	103 571	X	N
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	4 680 27 688	X X	N N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	х	4 407	X	N
33361805 33531205	Gasoline and other carburetor engines Fractional horsepower electric motors (less than 1 hp) (excluding timing motors)	×	183 669 22 770	X X X	N N
33531221 001900B1	Integral horsepower electric motors and generators (1 hp or more) Electrical transmission, distribution, and control equipment	X	62 347 201 074		N N
33591101 33299105	Storage batteries	X X	9 804 22 350	x x	N N
33299103 33361200 32621003	Roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives Pneumatic tires and inner tubes	X	51 747 200 107 36 377	X X	N N N
32622001 00970099	Rubber and plastics hose and belting	X X X X X X X	38 102 467 208	X X X X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	264 881	X I	N

NAICS				1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333991, POWER-DRIVEN HANDTOOL MFG				<u> </u>
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200063	products Other fabricated metal products (except fluid power products and forgings)	X X X	88 854 167 738	X X X	37 739 120 936
33210001 33151001	Forgings	X	2 547 52 980	X	1 769 29 163
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X	61 476 11 663	X	68 876 7 397
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x	70 689	X	51 057
33120085	All other steel shapes and forms (except castings, forgings, and fabricated				
331000AJ	metal products)	X	25 686	X	12 828
331000A3	metal products)	X	2 343 19 104	X	5 266 14 734
33100097	Magnet wire		49 338	×	20 593
33531201 33591101	Electric motors and generators	X X X X X X	48 541 119 488	X X X X X	29 008 43 922
33299101 33361200	Storage batteries Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	X	50 042 50 836	X	45 978 18 919
32610011 32221001	Paperboard containers, boxes, and corrugated paperboard	x X	114 143	ŷ	86 580 29 514
001900A1	Packaging paper and plastics film, coated and laminated	ŝ	43 284 15 024	ŝ	4 016
00970099 00971000	All other materials and components, parts, containers, and supplies	X	289 528 84 750	X	N 122 929
	333992, WELDING & SOLDERING EQUIPMENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine	V	55 504		N
33200095	products	X X X X	55 584 108 491	X	N N
33210001 33151001	Other fabricated metal products (except forgings) Forgings Iron and steel castings (rough and semifinished) Copper and copper-base alloy castings (rough and semifinished)	X	15 842 80 460	X	N N
33152500 33152013	Copper and copper-base alloy castings (rough and semifinished)	X	38 589 8 564	X	N N
33120007	Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated			X	
33120017	Steel sheet and strip, including tin plate	X X X	49 329 112 819	X	N N
33120025 33120015	metal products) Steel sheet and strip, including tin plate Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated		257 940	X	N
33142111	metal products)	X	102 657	Х	N
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	х	118 568	x	N
	forgings, and fabricated metal products)	X	54 593	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	21 077	x	N
331000A3 33531209	Insulated copper wire and cable, except magnet wire		29 839	X	N
33531223	subsynchronous (less than 1 hp)	Х	18 765	X	N
33531221	motors	X	5 307 84 826	X	N N
001900B1	Electrical transmission, distribution, and control equipment	X X X X	118 926	X	N
33500007 33451300	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	81 929 25 684	X	N N
33299105	Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	X	8 486	X	N
33299103 32221001	Paperboard containers, boxes, and corrugated paperboard	X X X X	3 110 58 889	X	N N
33399903 00970099	Industrial robots purchased for fabrication with welding equipment All other materials and components, parts, containers, and supplies	X	35 403 387 920	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	252 480	X	N
	333993, PACKAGING MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	x	28 573	х	8 024
00190086	Other fluid power products (hydraulic and pneumatic), except pumps, motors, and hydrostatic transmissions	x	75 276	x	22 492
33361200 33299101	Mechanical speed changers, gears, and industrial high-speed drives	X	56 715 46 321	X	22 846 17 048
33361303 33200005	Ball and roller bearings (mounted or unmounted) Other mechanical power transmission equipment Fabricated metal products, including forgings	X X X X X	31 708 297 167	X X X X	25 450 N
33151001	Iron and steel castings (rough and semifinished) Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	x X	31 675	ŷ	20 668 N
33152011 33120031	Stainless steel shapes and forms (except castings, forgings, and fabricated		19 413		
33120023	metal products)	X	55 714	X	29 367
33100077	metal products)	X	42 141	X	28 458
33531407	fabricated metal products) Relays and industrial controls for drives, clutches, brakes, motors, etc.,	х	54 082	x	N
	including programmable controllers	X	182 261	X	56 142
33530000	Transformers (except electronic-type) and other electric power transmission and distribution equipment	×	30 393	X	12 842
33531201 33399309	Electric motors and generators		84 577	X	N
00190096	finished product	X	198 813	X	N
00970099	except packaging machinery devices	X X X	30 400 384 859	X	N 9 852
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	128 913	X	275 012
0040	333994, INDUSTRIAL PROCESS FURNACE & OVEN MFG		46		
00190090 33200005	Fluid power products	X X X	102 779 141 752	X	21 573 N
33151001 33152011	Iron and steel castings (rough and semifinished)	X	14 134 17 548	X	4 342 3 439
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)		47 977	X	18 073
33120017	Steel sheet and strip, including tin plate	×	56 865	x l	24 731

	ee appendixes]	1997		1992	
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333994, INDUSTRIAL PROCESS FURNACE & OVEN MFG— Con.		((),===,		(, ,,,,,,,,
33120033 33100077	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	28 887	x	N
33100039	fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	28 768 10 084	x x	N N
001900B1 33399400 00970099 00971000	Electrical transmission, distribution, and control equipment Electric heating elements for industrial furnaces, ovens, and kilns All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X X	151 769 38 858 385 641 155 258	X X X X	67 256 18 505 241 046 150 920
	333995, FLUID POWER CYLINDER & ACTUATOR MFG				
33399603	Fluid power pumps purchased for incorporation into products of this establishment	x	91 418	x	15 745
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	89 083	x	N
33291901 33200075	Metal pipe, valves, and pipe fittings (except forgings) Other fabricated metal products (except forgings)	X X X	19 252 157 031	X X X X	9 450 37 350 3 002
33210001 33151001 33152005	Other fabricated metal products (except forgings) Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X	42 869 83 654 14 376	Ŷ	N N
33152003 33152003 33120007	Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	â	17 322	â	N
33120017	metal products). Steel sheet and strip, including tin plate.	X	186 331 5 212	××	N N
33121000	Steel tubing	x	114 279	×	45 440
33120061 33131600	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	37 378	x	44 602
33100047	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	x	25 525	x	11 533
33100077	castings, forgings, and fabricated metal products). Other nonferrous shapes and forms (except castings, forgings, and	x	18 653	x	10 727
331000AA	fabricated metal products)	X	6 932 D	X	3 174 343
32410005 32551003	Lubricating and cutting oils	X	6 558	X	3 029
33531201	products Electric motors and generators	X	4 039 19 953	X	N 3 984
33299105 33299103	Ball bearings (mounted or unmounted) Roller bearings (mounted or unmounted)	X X	3 069 D	X X	4 441 4 082
33361301 33361200	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives	X	9 745 6 253	X X X X	2 215 2 222
33999103 33351503	Gaskets (all types), and packing and sealing devices	X	20 281 27 308	X	12 301 N
00970099 00971000	All other materials and components, parts, containers, and supplies	×	127 829 62 093	X	N N
	333996, FLUID POWER PUMP & MOTOR MFG				
33399603	Fluid power pumps purchased for incorporation into products of this establishment	×	76 252	x	16 587
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	76 790	x	.0 00.
33291901 33200075	Metal pipe, valves, and pipe fittings (except forgings) Other fabricated metal products (except forgings)	X	19 794 71 034	X	6 323 43 891
33210001 33151001	Forgings	X	10 707 104 552	X	7 743 N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	×	25 666 D	X	N N
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate.	X	28 812 628	X	N N
33121000	Steel tubing	x	7 294	x	N
33120061	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	67 790	x	8 164
33131600 33100047	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	x	4 959	x	1 221
33100047	castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	x	D	x	3 389
331000AA	fabricated metal products) Metal powders.	×	13 370 12 248	X	7 239 8 430
32410005 32551003	Lubricating and cutting oils	X	7 769	X	4 653
33531201 33299105	products Electric motors and generators Ball bearings (mounted or unmounted)	X X X	2 717 45 855 8 997	X X X	N 25 134 5 329
33299103	Roller bearings (mounted or unmounted)	×	20 597	×	12 979
33361301 33361200 33999103	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives Gaskets (all types), and packing and sealing devices	X X X	19 227 11 411 11 003	X X X X X	3 441 12 221 8 344
33351503 00970099	Cutting tools for machine tools All other materials and components, parts, containers, and supplies	X	24 601 153 546	x x	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	157 997	X	Ň
00000010	333997, SCALE & BALANCE (EXCEPT LABORATORY) MFG		40.440	v.	40.000
332000A9 33272203	Sheet metal products, except stampings Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	13 149	X X	12 936 6 113
33200087 33210001	products All other fabricated metal products (except forgings) Forgings	X X X	5 156 D D	X	13 348 121
33151001 33152011	Iron and steel castings (rough and semifinished)	X	5 238 1 937	x X	7 608 3 867
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x	24 917	x	13 405

NAICS			7	1992	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333997, SCALE & BALANCE (EXCEPT LABORATORY) MFG —Con.				
33120019	Steel structural shapes and sheet pilling (except castings, forgings, and				
33120089	fabricated metal products)	X	8 291	X	4 386
331000AJ	metal products)	X	10 621	X	N
33441300	metal products)	X	2 146	X	N
001900B6	circuits for electronic circuitry Resistors, capacitors, transformers, transducers, and other electronic-type	X	20 727	X X	26 162
33593103	components Appliance outlets, switches, lampholders, and other current-carrying wiring devices .	X	46 701 6 578		29 690 5 601
001900B1 32221001	Electrical transmission, distribution, and control equipment Paperboard containers, boxes, and corrugated paperboard	X X X X X	4 226 3 962	X X X X	9 960 4 811
32610011 00970099	Fabricated plastics products (except gaskets) All other materials and components, parts, containers, and supplies	x x	6 258 93 825	X	3 774 95 694
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	19 191	x	17 835
	333999, ALL OTHER MISCELLANEOUS GENERAL-PURPOSE MACHINERY MFG				
33531201 001900B1	Electric motors and generators Electrical transmission, distribution, and control equipment	X	68 488 71 977	×	N 40 940
33399601	Eluid nower numne, meters, and hydrostetic transmissions (hydroulis and	x	76 094	x	21 730
33399501 33399901	riud power punips, inicitis, and hydrostatic transmissions (hydraulic and pneumatic). Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power rollves (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Other fluid power poducts (hydraulic and pneumatic)	X X X X X	44 002 80 233	X X X X X X	12 151 49 892
33291207 33291203	Fluid power valves (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	24 590 35 184	X	12 753 9 150
00190089 33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	39 615 51 846	X	5 124 15 808
33299101	Ball and roller bearings (mounted or unmounted)		26 167		12 765
33391101 33272203	Other pumps and pump parts, except fluid power (complete assemblies) Metal botts, nuts, screws, washers, rivets, and other screw machine	X X	50 619	X X	18 978
332000A1	products Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments		98 744 66 496		N 27 542
33291901 33200051	Metal nine valves and nine fittings (except forgings)	X X X X	70 795 142 812	X X X X	31 101 125 794
33210001 33151001	Other fabricated metal products (except fluid power products and forgings) Forgings Iron and steel castings (rough and semifinished)	X	19 225 150 053	X	N N
33152011 33120007	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	â	62 892	x	Ň
33120017	metal products). Steel sheet and strip, including tin plate.	X	131 054 75 751	X X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated				
33100039	metal products)	X	58 253	X	N
33100077	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	42 153	X	N 04 504
32212031 00970099	Filter paper	X X X	89 145 76 597 661 211	X X X	21 521 97 309 N
00971009	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	â	831 155	â	N N
	334111, ELECTRONIC COMPUTER MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray) Printed circuit boards (without inserted components) for electronic circuitry	x	D	x	70 221
33441200 001900C3	Printed memory boards for electronic circuitry	X X	205 820 1 264 260	X	327 943 2 013 758
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	x	443 961	х	456 944
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry. Printed communication boards (LAN boards, D/A and A/D converters, etc.)	x	2 915 193	x	1 411 250
001900C5 001900D1	for electronic circuitry	x	307 132	x	N
33441300	for electronic circuitry	x	280 173	х	178 479
33441400	circuits for electronic circuitry	X X X	548 761 62 276	X	789 118 42 803
33441500	Capacitors for electronic circuitry Resistors for electronic circuitry		31 083	x	35 636
33441700 33400017	Connectors for electronic circuitry Battery packs for electronic circuitry Other power supply units for electronic circuitry Other components and accessories for elect. circuitry (incl. coils,	X X X	80 715 34 362	X X X	59 438 462 763
001900D2 001900B8	Other power supply units for electronic circuitry		376 893		168 228
001900B1	Electrical transmission, distribution, and control equipment	X	D 37 110	X	388 229 28 831
33232201 32619901	Steel, aluminum, and other metal electronic enclosurse	X	394 602 123 877	X	204 432 114 043
33200003 33200017	Sheet metal products (including stampings), except enclosures	X X X X X	21 180 D	X X X X	88 544 32 022 D
33210001 33100035	Forgings Castings (rough and semifinished)	X	2 165	X	3 401
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal	×	927	×	1 261
331000A9 32610031	Insulated copper wire and cable (including magnet wire) Fabricated plastics products, except enclosures	X X X	50 014 2 877	X X X	149 424 9 264 104 413
33461100 33593103	Purchased software Appliance outlets, switches, lampholders, and other current-carrying wiring devices		225 883 7 604	×	194 413 30 374
33531201 32200001	Electric motors and generators	X	4 053	â	4 972
33411101	and corrugated paperboard Purchased computers Purchased peripheral storage devices	X X	73 806 4 047 314	X X X	60 243 4 671 187
33411200	Purchased peripheral storage devices	X	2 866 679	X	1 386 953

	ee appendixes]	1997		1992	
NAICS material code	Industry and materials consumed		Delivered cost		Delivered cost
		Quantity	(\$1,000)	Quantity	(\$1,000)
33411300 33411903	334111, ELECTRONIC COMPUTER MFG—Con. Purchased computer terminals	х	D	х	774 909
33411905	ranchased peripheral injurit devices, including keyboards, induse devices, trackballs, etc. Purchased peripheral printers	X	590 925 37 072	X	429 967 76 307
33410007 00970099 00971000	Other purchased electronic computing and peripheral equipment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	1 635 245 6 497 488 9 724 451	X X X X	121 312 808 354 3 018 084
	334112, COMPUTER STORAGE DEVICE MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	x	D	x	N
33441200 001900C3	Printed circuit boards (without inserted components) for electronic circuitry	X	45 560 19 729	X	29 568 N
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry.	x	85 543	x	N
001900C7 001900C5	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	x	27 333	x	N
001900C3	for electronic circuitry	x	823	x	N
33441300	for electronic circuitry. Semiconductors, including transistors, diodes, rectifiers, and integrated	X	33 687	х	N
33441400	circuits for electronic circuitry Capacitors for electronic circuitry Resistors for electronic circuitry	X	84 010 1 960	××	119 958 10 562
33441500 33441700		X X	1 271 4 465	X X	5 058 15 918
33441700 33400017 001900D2 001900B8	Connectors for electronic circuitry Battery packs for electronic circuitry Other power supply units for electronic circuitry Other components and accessories for elect. circuitry (incl. coils,	X	1 885 35 715	X	D N
001900B1	transformers, transducers, switches, etc) exc. tubes	X	D 4 258	X X X X X	N D
33232201 32619901	Steel, aluminum, and other metal electronic enclosurse	X	59 331 D	X	15 965 D
33200003 33200017	Sheet metal products (including stampings), except enclosures	X	52 558 D	×	31 229 35 732
33210001 33100035 33100033	Forgings	X X	6 184	X	D 29 636
331000A9	products	X	D 7 514	××	27 546 23 370
32610031 33461100	Fabricated plastics products, except enclosures	X	D D	X	15 092 D
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	x	D	x	D
33531201 32200001	Electric motors and generators Paper and paperboard products including paperboard boxes, containers,	X	48 936	X	85 552 12 446
33411101 33411200	and corrugated paperboard Purchased computers Purchased peripheral storage devices	X X X	7 417 D 2 204 984	X X X	12 446 N N
33411300	Purchased computer terminals	x	D D	x	N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	D	×	N
33411905 33410007 00970099	Purchased peripheral printers Other purchased electronic computing and peripheral equipment All other materials and components, parts, containers, and supplies	X X X	31 50 723 1 060 374	X X X	N N 780 987
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Ŷ	1 730 041	x	619 370
33441103	334113, COMPUTER TERMINAL MFG				
33441200	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	85 218 1 509	X	N 22 198
001900C3 001900C6	Printed memory boards for electronic circuitry Printed peripheral controllers (graphic boards, drive controllers, etc.) for	â	1 303 D	â	N N
001900C7	electronic circuitry Printed computer processors (system boards, array processors, etc.) for	X	1 953	x	3 344
001900C5	electronic circuitry	X	D	X	N
001900D1	for electronic circuitry	X	D	X	N
33441300	for electronic circuitry. Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.	X X	D 8 486	X X	N N
33441400 33441500	Capacitors for electronic circuitry Resistors for electronic circuitry	X X	3 722 800	X X	5 668 4 235
33441700 33400017	Connectors for electronic circuitry Battery packs for electronic circuitry	X	2 370 D	X	N D
001900D2 001900B8	Other power supply units for electronic circuitry	X	D	X	N
001900B1	transformers, transducers, switches, etc) exc. tubes	X	3 581 D	X	N D
33232201 32619901	Steel, aluminum, and other metal electronic enclosurse	X X X	4 499 9 884	X X X	6 740 26 439 D
33200003 33200017 33210001	Sheet metal products (including stampings), except enclosures	X X	12 748 D	x X	D N
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	X	94	X	D
331000A9	products Insulated copper wire and cable (including magnet wire)	×	D 886	X	D 2 074
32610031 33461100	Fabricated plastics products, except enclosures Purchased software	X	2 319 1 103	X	1 996 D
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	x	D	X	D
33531201 32200001	Electric motors and generators Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	D 3 588	X X	D D
33411101 33411200	Purchased computers	X	D -	X	N N

	ee appendixes]	1997		1992	
NAICS material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334113, COMPUTER TERMINAL MFG—Con.	Quantity	(\$1,000)	Quantity	(ψ1,000)
33411300 33411903	Purchased computer terminals	х	9 893	x	N
33411905	trackballs, etc.	X	21 785 D	×	N N
33410007 00970099 00971000	Other purchased electronic computing and peripheral equipment All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	21 047 138 024 318 091	X X X X	N 205 785 401 845
	334119, OTHER COMPUTER PERIPHERAL EQUIPMENT MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	x	30 676	х	N
33441200 001900C3 001900C6	Printed circuit boards (without inserted components) for electronic circuitry Printed memory boards for electronic circuitry Printed peripheral controllers (graphic boards, drive controllers, etc.) for	X	426 994 478 641	X	N N
001900C7	electronic circuitry. Printed computer processors (system boards, array processors, etc.) for electronic circuitry.	X X	154 259 56 226	X X	N N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry.	X	20 605	x	N
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	x	493 268	x	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	x	601 146	X	Ŋ
33441400 33441500	Capacitors for electronic circuitry Resistors for electronic circuitry	X	48 999 36 348	X	N N
33441700 33400017 001900D2 001900B8	Connectors for electronic circuitry Battery packs for electronic circuitry Other power supply units for electronic circuitry Other components and accessories for elect. circuitry (incl. coils,	X X	121 896 5 627 121 428	X X	N N N
001900B1	transformers, transducers, switches, etc) exc. tubes Electrical transmission, distribution, and control equipment	X	188 331 23 775	X	N N
33232201 32619901	Steel, aluminum, and other metal electronic enclosurse	X	120 327 105 777	X	N N
33200003 33200017 33210001	Sheet metal products (including stampings), except enclosures All other fabricated metal products (except forgings). Forgings	X X X	112 616 149 266 1 350	X X X	N N N
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	x	12 101	x	N
331000A9	products Insulated copper wire and cable (including magnet wire) Fabricated plastics products, except enclosures	X	57 882 227 307	X	N N
32610031 33461100 33593103	Fabricated plastics products, except enclosures Purchased software Appliance outlets, switches, lampholders, and other current-carrying wiring	X	244 144 12 029	×××	N N
33531201	devices	×	14 603 306 099	X	N N
32200001 33411101	Electric motors and generators Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard Purchased computers Purchased peripheral storage devices	X	72 450 269 768	× × ×	N N
33411200 33411300	Purchased computer terminals	X X	24 452 17 397	X	N N
33411903 33411905	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc. Purchased peripheral printers	X	44 268 264 328	X	N N
33410007 332000A9 33272203	Other purchased electronic computing and peripheral equipment Sheet metal products, except stampings Metal botts, nuts, screws, washers, rivets, and other screw machine	x x	93 296 9 593	x x	N N
332000AC	products	X	D	X	N N
33200033 33120001	Other fabricated metal products (except forgings) Steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	440 D	X X	N N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	X	N
33100039 33100083	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	45	х	N
001900C4	fabricated metal products) Printed circuit assemblies, loaded boards or modules (printed circuit boards	x	D	Х	N
001900D3	with inserted electronic components)	x	44 194	X	N
331000A7	tubes. Insulated wire and cable, including magnet wire	X	D	X	N N
33593101 33531211 33422001	Current-carrying wiring devices Fractional horsepower electric motors (less than 1 hp) Electronic communication equipment	X X X	D D 2 483	X X X	N N N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays).	x	D D	x	N
33410001	Electronic computing equipment	X	4 363	X	N
33331401 33599900 32610007	Optical instruments and lenses (except sighting, tracking, and fire control) Automatic garage door controllers Fabricated plastics products (except gaskets, hoses, and belting)	X X X	D - D	X X X	N N N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	14 378	x	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	4 534 839 3 870 338	X	N N
	334210, TELEPHONE APPARATUS MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	X	442 757	X	N
33441300	with inserted electronic components) . Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.	X X	615 696 1 117 354	X X	N N
33441400 33441500	Capacitors for electronic circuitry Resistors for electronic circuitry	X	102 111 70 207	XX	X X
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes.	X	1 021 652	×	X
33422001	Electronic communication equipment	X	1 620 566	A I	Х

NAICS	e appendixesj	1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
-	334210, TELEPHONE APPARATUS MFG—Con.				
33451501 33410001 33593101 331000A7 33431005 33531211 32518835 32521105	Electrical instrument mechanisms and meter movements (including instrument relays). Electronic computing equipment Current-carrying wiring devices Insulated wire and cable, including magnet wire Loudspeakers, microphones, and tuners (all types). Fractional horsepower electric motors (less than 1 hp) Silicon, hyperpure. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X X X X X	22 562 91 750 49 021 122 553 51 007 D	X X X X X	× × × × ×
32610007 332000A9	Fabricated plastics products (except gaskets, hoses, and belting) Sheet metal products, except stampings	X X X	8 391 80 040 107 985	X X X	X X X
332000AC 33272203	Metal stampings	х	34 890	х	Х
33200033 33210001 33100035 33120001	products Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal	X X X	D D - 15 650	X X X	X X X
33100039	products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	23 942 6 673	X X	X X
33100077 32220017	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	х	483	х	Х
00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	32 435 2 178 814 5 674 872	X X X	X X X
	334220, RADIO & TV BROADCASTING & WIRELESS COMMUNICATIONS EQUIPMENT MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	х	1 028 338	х	N
33441300	with inserted electronic components)	X	656 221	X	N
33441400 33441500 001900D3	circuits for electronic circuitry Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except	X X X	2 589 043 132 281 69 323	X X	N N N
33422001 33451501	tubes . Electronic communication equipment . Electrical instrument mechanisms and meter movements (including	X	1 320 595 2 008 924	X	N N
33410001 33593101	instrument relays) Electronic computing equipment Current-carrying wiring devices	X X X	47 454 165 366 74 969	X X X	N N N
331000A7 33431005 33531211 32518835 32521105	Insulated wire and cable, including magnet wire. Loudspeakers, microphones, and tuners (all types). Fractional horsepower electric motors (less than 1 hp). Silicon, hyperpure. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X X X	554 232 10 456 13 010 1 699	X X X	N 42 204 11 647 N
32610007 332000A9 332000AC 33272203	etc. Fabricated plastics products (except gaskets, hoses, and belting) Sheet metal products, except stampings Metal stampings Metal botts, nuts, screws, washers, rivets, and other screw machine	X X X	14 463 49 023 359 269 35 050	X X X	N 69 934 N N
33200033	products . Other fabricated metal products (except forgings)	X	74 225 236 647	X	N N
33210001 33100035	Forgings	X	3 255 110 235	X	N N
33120001 33100039	Steel shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	Х	29 880	х	N
33100077	forgings, and fabricated metal products)	X X	100 085 12 049	X X	N 26 687
32220017	fabricated metal products) Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	43 227	x	N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	1 751 535 5 277 473	X	N N
33441200	334290, OTHER COMMUNICATIONS EQUIPMENT MFG Printed circuit boards (without inserted components) for electronic circuitry	х	145 206	x	46.040
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	145 206 53 968	x	46 049 35 119
33441300 33441400	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry. Capacitors for electronic circuitry	X X	68 814 19 783	X	73 818 17 928
33441500 001900D3	Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except tubes	x x	14 767 32 335	X X	13 985 64 291
33422001 33451501	Electronic communication equipment Electrical instrument mechanisms and meter movements (including instrument relays).	X X	58 623 12 108	x x	22 736 24 827
33410001 33593101	Electronic computing equipment Current-carrying wiring devices	XX	6 687 13 591	x x	3 332 9 089
331000A7 33431005 33531211 32518835 32521105	Insulated wire and cable, including magnet wire. Loudspeakers, microphones, and tuners (all types). Fractional horsepower electric motors (less than 1 hp). Silicon, hyperpure. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X X X	19 339 15 759 D D	X X X	12 470 6 657 7 336 D
32610007 332000A9 332000AC	etc. Fabricated plastics products (except gaskets, hoses, and belting) Sheet metal products, except stampings Metal stampings	X X X	D 60 525 40 618 10 038	X X X	7 210 38 213 29 386 17 178
33272203 33200033	Metal bolts, nuts, screws, washers, rivets, and other screw machine products Other fabricated metal products (except forgings)	×	24 540 63 211	××	10 048 D

NAICS				1992	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334290, OTHER COMMUNICATIONS EQUIPMENT MFG—Con.				
33210001 33100035 33120001	Forgings	X	1 812 19 379	X	D 22 075
33100039	products)	X	5 635	X	6 150
33100077	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	6 247	X	6 433
32220017	fabricated metal products) Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	971 11 805	X X	1 699 12 586
00970099 00971000	Packaging supplies All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	193 163 452 387	x x	D D
	334310, AUDIO & VIDEO EQUIPMENT MFG				
33172000 33431003	Cabinets (wood, metal, and plastics) Tuners	X	258 430 47 708	X	510 391 183 100
33431007 33441101	Speakers and speaker systems	X	253 561 986 893	XX	159 291 1 593 287
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	X	184 160	X	143 242
33441300	with inserted electronic components)	X	126 799	X	750 669
33441400	circuits for electronic circuitry	X	165 807 86 026	X	107 102 41 500
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.	X X	28 848 139 771	X X	23 783 314 582
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	180 127	х	98 864
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.		67 042	X	83 906
33593101 332000AC	Current-carrying wiring devices	X X X	273 551 50 373	X	112 589 88 676
33272203 33200085	Metal bolts, nuts, screws, washers, rivets, and other screw machine products All other fabricated metal products (except forgings)	×	25 840 22 394	X	28 659 73 213
33210003 33100035	Forgings	X X X	D D	x x	73 213 D D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	9 124	x	19 634
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		6 853	x	25 451
331000A7 00970099 00971000	Insulated wire and cable, including magnet wire. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	32 662 531 436 1 847 264	X X X	75 753 D D
	334411, ELECTRON TUBE MFG				
32721203 33441200	Tube blanks . Printed circuit boards (without inserted components) for electronic circuitry	X	538 666 2 658	X	D 4 988
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	x	13 529	×	4 900 N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated	x	D	×	3 949
33441400 33441500 001900D3	circuits for electronic circuitry Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except	X	1 584 1 364	X	3 142 2 079
32518835	tubes. Silicon, hyperpure.	X	D D	X	N D
33141911 33141917	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.). Doped chemicals, and other doped materials for electronic use	X	11 424 D	X	8 633 D
33111107	Ferrites (powder and paste)		D	X	D
331000AA 33410001	Metal powders Electronic computing equipment	X X X X	4 448 352	X	7 890 D
33593101 33422001 33451501	Current-carrying wiring devices Electronic communication equipment Electrical instrument mechanisms and meter movements (including	X	1 164 211	X	D D
33331401 32521105	instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control) Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	D D	X	D D
32610011	etc. Fabricated plastics products (except gaskets)	X X X	337 1 049	X	D 1 765
332000A9 332000AC	Sheet metal products, except stampings	X	45 272 71 924	X X	65 592 57 900
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products		6 253	×	5 372
33200033 33210001	Other fabricated metal products (except forgings) Forgings	X X X	41 573 94	X	28 089 D
33100035 33120001	Castings (rough and semifinished)		D	X	D
33142111	products)	X	2 214	X	1 319
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	D D	X X	2 106 814
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		2 975	X	3 069
331000A7	Insulated wire and cable, including magnet wire	X	2 3/3 D	â	6 601
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	1 780	x	2 005
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	D 4 114	XX	N N
32512005	Commodity gases	○		∷ □	
32512005 32518843 32599217 33141957	Commonly gases Speciality gases Masks Silicon chips	X X X X X	D	X X X	N N N

NAICS	see appendixesj	1997 1992			
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334412, BARE PRINTED CIRCUIT BOARD MFG				
32721203 33441200 001900C4	Tube blanks	X	1 659 522 536	×	D 293 083
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X X	104 155 122 456	X X	N 67 041
33441400 33441500 001900D3	Capacitors for electronic circuitry Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except	X X X	37 014 25 880	X	11 132 6 699
32518835 33141911	tubes. Silicon, hyperpure. Gold and other precious metals, all forms (including ingot, sheet, strip,	â	117 694 D	X	N D
33141917	solder, plating, electrodes, etc.) Doped chemicals, and other doped materials for electronic use	X	49 824 34 373	X	56 728 50 689
33111107 331000AA 33410001 33593101 33422001 33451501	Ferrites (powder and paste) Metal powders Electronic computing equipment Current-carrying wiring devices Electronic communication equipment Electrical instrument mechanisms and meter movements (including	X X X X	138 502 2 801 2 636 D	X X X X	D D 430 2 436 D
33331401 32521105	instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control). Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	4 193 D	X	497 337
32610011 332000A9	etc. Fabricated plastics products (except gaskets) Sheet metal products, except stampings	X X X	15 768 80 640 10 911	X X X	3 831 23 982 9 824
332000AC 33272203	Metal stampings	х	3 337	х	2 240
33200033	products	X	3 222 16 668	X	5 169 90 988
33210001 33100035 33120001	Forgings	X X	D D	X X	N 232 457
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	44 364	х	42 739
33100039 33100083	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	3 085	x	5 619
331000A7	fabricated metal products) Insulated wire and cable, including magnet wire	X	395 10 025	X	6 734 9 768
32220017 32518843 32512005 33141957 32599217 32611305 00970099 00971000	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Speciality gases Commodity gases. Silicon chips Masks. Resists (photosensitive resin films applied to the surface of a wafer). All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	× × × × × ×	9 169 385 897 D 6 719 54 814 843 663 920 456	X X X X X X	6 482 N N N N N N N 789 679
	334413, SEMICONDUCTOR & RELATED DEVICE MFG				
32721203 33441200 001900C4	Tube blanks	X	6 404 77 350	×	2 529 44 519
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X X	62 872 1 550 393	X X	97 956 1 341 833
33441400 33441500 001900D3	Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except	X	209 149 25 043	X	15 886 4 641
32518835 33141911	tubes. Silicon, hyperpure. Gold and other precious metals, all forms (including ingot, sheet, strip,	X	322 358 1 529 415	X	195 671 675 715
33141917	solder, plating, electrodes, etc.)	X	267 963 349 933	X	55 002 133 899
33111107 331000AA	Ferrites (powder and paste)	X	D 671	X	D 3 597
33410001 33593101 33422001	Electronic computing equipment Current-carrying wiring devices Electronic communication equipment	X X X	76 751 19 940 22 295	X X X	38 640 6 465 7 768
33451501 33331401	Electrical instrument mechanisms and meter movements (including instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control)	X	144 698 8 462	X	D D
32521105 32610011 332000A9	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Fabricated plastics products (except gaskets) Sheet metal products, except stampings	X X X	30 065 56 003 7 775	X X X	29 838 30 747 10 781
332000AC	Metal stampings	x	33 807	x	49 854
33272203 33200033	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	16 721 40 460	X	3 045 41 623
33210001 33100035 33120001	Forgings . Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal	X	D 2 172	X	D 1 048
33142111	products)	Х	4 147	X	4 351
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	15 564 79 397	X X	3 384 11 447
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	64 260	X	7 730
331000A7	Insulated wire and cable, including magnet wire	X I	18 415	ХI	6 338

NAICS	ee appendixes]	1997		1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
00000047	334413, SEMICONDUCTOR & RELATED DEVICE MFG—Con. Paper and paperboard containers, including shipping sacks and other paper	Quantity	(\$1,000)	Quantity	(\$1,000)
32220017 32611305 32518843 33141957	packaging supplies. Resists (photosensitive resin films applied to the surface of a wafer). Speciality gases	X X X	47 389 59 289 107 983 524 912	X X X	44 449 N N N
32599217 32512005 00970099 00971000	Silicon chips Masks. Commodity gases All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies , n.s.k.	X X X X X	208 645 539 420 2 498 740 790 370	X X X X	N N N N 1 074 829
	334414, ELECTRONIC CAPACITOR MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	x x	3 830 D	x x	237 N
33441300 33441400	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry. Capacitors for electronic circuitry.	X	5 693	X	688 20 154
33441500 001900D3	Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except tubes	X X	85 331 D 32 209	x x	20 154 N
32518835 33141911	Silicon, hyperpure	X	-	Х	D
33141917 33111107	solder, plating, electrodes, etc.). Doped chemicals, and other doped materials for electronic use Ferrites (powder and paste).	X X X	83 502 D D	X X X	42 953 D D
331000AA	Metal powders.	x	203 473	x	D
33410001 33593101 33422001 33451501	Electronic computing equipment . Current-carrying wiring devices Electronic communication equipment . Electrical instrument mechanisms and meter movements (including	X X X	D D -	X X X	D N D
33331401 32521105	instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control) Plastics resins consumed in the form of granules, pellets, powders, liquids,	X		X	D D
32610011	etc. Fabricated plastics products (except gaskets) Sheet metal products, except stampings	X X X	12 167 15 725	X	13 017 2 109
332000A9 332000AC	Sheet metal products, except stampings Metal stampings	X	7 769 22 300	X	D D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	4 493	х	3 003
33200033 33100035	Other fabricated metal products (except forgings) Castings (rough and semifinished)	X	7 034 D	X	3 799 D
33120001 33142111	Steel shapes and forms (except castings, forgings, and fabricated metal products) Copper and copper-base alloy shapes and forms (except castings, forgings,	x	950	×	D
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	×	916	×	D
33100083	forgings, and fabricated metal products)	X	D	X	17 651
331000A7 32220017	fabricated metal products) Insulated wire and cable, including magnet wire. Pages and pages to protein a capital product of the product of t	X	4 582 D	X	D 771
32512005	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Commodity gases.	X X	10 686 3 873	X	3 901 N
32518843 00970099 00971000	Speciality gases All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	174 633 47 257	X X X	N N 115 639
	334415, ELECTRONIC RESISTOR MFG				
32721203 33441200 001900C4	Tube blanks Printed circuit boards (without inserted components) for electronic circuitry	X	1 470 4 472	X	D 528
33441300	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	Х	D	Х	311
33441400 33441500	circuits for electronic circuitry Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except	X X X	D 20 221 12 636	X X X	N N 8 382
001900D3 32518835	tubes	X	4 837 D	X	N D
33141911 33141917	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.) Doped chemicals, and other doped materials for electronic use	X	19 816 D	X	6 611 D
33111107 331000AA	Ferrites (powder and paste)	X X	5 203 2 816	X	2 221 696
33410001 33593101 33422001	Electronic computing equipment Current-carrying wiring devices Electronic communication equipment	X X X	464 2 291 D	X X X	D 677 N
33451501 33331401	Electrical instrument mechanisms and meter movements (including instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control)	X	D D	X	19 419
32521105 32610011 332000A9	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Fabricated plastics products (except gaskets) Sheet metal products, except stampings	X X X	8 460 14 282 1 913	X X X	4 677 3 765 152
332000AC	Metal stampings	X	11 605	X	14 174
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other februated metal products (proper ferrings)	x	8 996 7 731	X	2 528
33200033 33210001 33100035	Other fabricated metal products (except forgings) Forgings. Castings (rough and semifinished)	X X X	7 731 D	X X X	3 652 N D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 538	X	1 520
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	1 758	х	1 534
33100039 33100083	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	1 825	х	611
JJ 100083	fabricated metal products)	x	504	x	D

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334415, ELECTRONIC RESISTOR MFG—Con.				
331000A7 32220017	Insulated wire and cable, including magnet wire. Paper and paperboard containers, including shipping sacks and other paper	X	4 032 4 699	×	3 661 2 094
33141957 32611305	packaging supplies. Silicon chips Resists (photosensitive resin films applied to the surface of a wafer).	X X X X X X	D 1 276	X X X X X	2 094 N N
32599217 32512005	Masks	X	D 1 577	X	N N
32518843 00970099 00971000	Speciality gases All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	D 66 413 11 170	x X	N N 39 985
	334416, ELECTRONIC COIL, TRANSFORMER, & OTHER INDUCTOR MFG				
32721203 33441200	Tube blanks. Printed circuit boards (without inserted components) for electronic circuitry	X	1 047 1 582	X	N N
001900C4 33441300	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated	Х	2 874	x	N
33441400	circuits for electronic circuitry	X X X	2 874 2 794	X	N N
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.		1 856 7 806	X X	N N
32518835 33141911	Silicon, hyperpure	X	D	X	N
33141917	solder, plating, electrodes, etc.). Doped chemicals, and other doped materials for electronic use	X	1 218 418	XX	N N
33111107 331000AA 33410001	Ferrites (powder and paste) Metal powders. Electronic computing equipment Current-carrying wiring devices Electronic communication equipment Electrical instrument mechanisms and meter movements (including	X X X X	11 918 2 186 D	X X X X	N N N
33593101 33422001	Current-carrying wiring devices	X X	6 794 373	x X	N N N
33451501 33331401 32521105	Electrical instrument mechanisms and meter movements (including instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control). Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	2 306 D	XX	N N
32610011	etc. Fabricated plastics products (except gaskets) Sheet metal products, except stampings.	X X X	4 811 8 860	X X X	N N
332000A9 332000AC	Sheet metal products, except stampings	X	3 043 16 252	x x	N N
33272203 33200033	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	8 313 9 478	X	N N
332100035 33100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X X X	9 476 D 2 063	x X	N N N
33120001 33142111	Steel shapes and forms (except castings, forgings, and fabricated metal products)	Х	51 261	x	N
33100039	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	X	15 534	×	N
33100083	forgings, and fabricated metal products)	X	D	×	N
331000A7	fabricated metal products) Insulated wire and cable, including magnet wire	X	11 231 74 714	X	N N
32220017 32512005	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	8 127 400	×	N N
32518843 33141957	Speciality gases	X X X X X	D D	X X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	71 652 143 704	X	N N
32721203	334417, ELECTRONIC CONNECTOR MFG Tube blanks	Х	_	×	D
33441200 001900C4	Tube blanks. Printed circuit boards (without inserted components) for electronic circuitry. Printed circuit assemblies, loaded boards or modules (printed circuit boards	X X	12 775	X X	4 540
33441300	with inserted electronic components). Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.		21 762 D	x	6 261 6 310
33441400 33441500	Capacitors for electronic circuitry	X X X	14 314 1 009	X	4 871 209
001900D3 32518835	Other components and accessories for electronic circuitry, n.e.c., except tubes	X X	27 232	××	17 119 D
33141911 33141917	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	157 386 291	X	135 165 3 814
33111107	Ferrites (powder and paste)		172		D
331000AA 33410001 33593101	Metal powders. Electronic computing equipment Current-carrying wiring devices .	X X X X	D 388 9 594	X X X X	D D 19 098
33422001 33451501	Electronic communication equipment Electrical instrument mechanisms and meter movements (including		D	X	D
33331401 32521105	instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control) Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	160 D	XX	414 D
32610011	etc. Fabricated plastics products (except gaskets)	X X X	107 373 81 380	×	65 609 120 118
332000A9 332000AC	Sheet metal products, except stampings	X X	4 681 51 270	X X	5 744 140 184
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products		71 363	x	83 527
33200033 33210001 33100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X X X	82 214 4 407 12 928	X X X	46 723 97 15 594
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	Х		×	15 738

NAICS			,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334417, ELECTRONIC CONNECTOR MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	67 769	x	40 758
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	21 187	X	21 354
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	82 589	x	18 954
331000A7 32220017	Insulated wire and cable, including magnet wire	X	38 788	X	30 686
32512005	packaging supplies	X X X X X	27 551 D	X X X X	13 964 N
32611305 33141957	Resists (photosensitive resin films applied to the surface of a wafer)	X	D	X	N N
32599217 32518843	Masks. Speciality gases	X	D D	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	â	285 510 220 916	X	N 146 968
	334418, PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	х	1 589 225	×	N
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated	X	1 631 034	X	N
33441400	circuits for electronic circuitry	X X X	3 468 132 391 797	×	N N
33441500 001900D3	Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except		362 048	X	N
33422001	tubes Electronic communication equipment Electronic computing equipment	X X X X	1 592 394 D	X	N N
33410001 33593101	Electronic computing equipment Current-carrying wiring devices Insulated wire and cable, including magnet wire	X	20 008 19 645	X X X	N N
331000A7 33431005	Loudspeakers, microphones, and tuners (all types)	X	54 775 D	X	N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.		11 072		N
32610007 332000A9	Fabricated plastics products (except gaskets, hoses, and belting)	X X X	6 686 158 205	X X X	N N
332000AC 33272203	Metal stampings		29 272		N
33200033	products	X X X	31 837 D	X X X	N N
33210001 33100035	Forgings . Castings (rough and semifinished)	X	D 8 113	X	N N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	1 144	х	N
33100039 33100077	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	x	6 720	х	N
32721203	fabricated metal products) Tube blanks.	X X X	D 42 026	X	N N
32518835 33141911	Silicon, hyperpure. Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.).		D	X	N
33141917	Doped chemicals, and other doped materials for electronic use	X X X	28 369 3 322	X X X	N N
33111107 331000AA	Ferrites (powder and paste)	X	1 796 D	X	N N
33451501 33331401	Electrical instrument mechanisms and meter movements (including instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control).	X	17 947 D	X	N N
32610011	Fabricated plastics products (except gaskets)	x	201 496	x	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	216	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Paper and paperboard containers, including shipping sacks and other paper	x	D	x	N
32220017	packaging supplies	X	40 249	×	N
32518843 32512005 32611305	Speciality gases Commodity gases Resists (photosensitive resin films applied to the surface of a wafer).	\$	D 4 589 2 268	\$	N N
33141957 32599217	Silicon chips Masks	X X X X X	73 018 D	X X X X X	N N N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	659 700 3 197 510	X	N N
	334419, OTHER ELECTRONIC COMPONENT MFG				
32721203 33441200 001900C4	Tube blanks. Printed circuit boards (without inserted components) for electronic circuitry. Printed circuit assemblies, loaded boards or modules (printed circuit boards	X	9 413 59 999	X	N N
33441300	with inserted electronic components)	X	126 102	Х	N
33441400	circuits for electronic circuitry	X X X	138 266 54 464	X	N N
33441500 001900D3	Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except		23 492	X	N
32518835 33141911	tubes. Silicon, hyperpure. Gold and other precious metals, all forms (including ingot, sheet, strip,	X	244 113 D	X	N N
33141917	solder, plating, electrodes, etc.). Doped chemicals, and other doped materials for electronic use	X X	53 887 1 353	X	N N
33111107	Ferrites (powder and paste)	X	41 778	X	N
331000AA 33410001	Metal powders. Electronic computing equipment	X X X X	11 229 10 226	X X X	N N
33593101 33422001 33451501	Current-carrying wiring devices Electronic communication equipment Electrical instrument mechanisms and meter movements (including	x	53 487 116 819	X	N N
55-15101	instrument relays)	X	8 422	X	N

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334419, OTHER ELECTRONIC COMPONENT MFG—Con.				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	39 691	х	N
32610011 332000A9	Fabricated plastics products (except gaskets) Sheet metal products, except stampings Metal stampings	X	59 743 55 070	X X X	N N
332000AC 33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine	X X	39 699	X	N N
33200033 33210001	products Other fabricated metal products (except forgings) Forgings	X X	59 321 72 364 873	XX	N N N
33100035 33120001	Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal	x	15 638	x	Ň
33142111	products)	Х	72 775	X	N
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings,	Х	9 689	X	N
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	33 150	х	N
331000A7	fabricated metal products) Insulated wire and cable, including magnet wire	X	9 898 183 334	X X	N N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	х	29 781	х	N
32518843 33141957	Speciality gases Silicon chips	X	128 11 789	X	N N
32512005 32599217 32611305	Commodity gases. Masks. Resists (photosensitive resin films applied to the surface of a wafer)	X X X	3 413 1 723 2 411	X X X	N N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x	907 176 1 180 745	x x	N N
0007.000	334510, ELECTROMEDICAL & ELECTROTHERAPEUTIC	^	1 100 7 10		
33272203	APPARATUS MFG Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200095	products	X X	61 703 157 724	X X	N N
33210001 33100035	Forgings	X	1 627 20 620	X	N N
33120001 331000AJ	Steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	X	27 887	х	N
001900B7	metal products)	Х	27 541	х	N
00970099	other electronic components All other materials and components, parts, containers, and supplies	X	1 069 487 1 651 521	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	467 164	X	N
	334511, SEARCH, DETECTION, NAVIGATION, & GUIDANCE INSTRUMENT MFG				
332000A9 33272203	Sheet metal products, except stampings	X	180 318	X	N
332000AC 33200033	products Metal stampings Other fabricated metal products (except forgings)	X X X	62 759 13 611 137 820	X X X	N N N
332100035 332100035	Forgings	x x	9 250 73 206	x x	N N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	5 476	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	11 901	X	N
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X X	170 738 251 948	X X	N N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated	^			IN
33441400	circuits for electronic circuitry Capacitors for electronic circuitry	X	475 551 72 197	X X X	N N
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.	X X	70 899 456 627	X	N N
331000A7 33593101	Insulated wire and cable, including magnet wire	x x	71 079 69 451	X X	N N
33531211 33422001	Current-carrying wiring devices Fractional horsepower electric motors (less than 1 hp) Electronic communication equipment	X X	35 280 355 625	X X	N N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	102 889	X	Ņ
33410001 32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X X	278 392 45 022	X X	N N
32220017	Paper and paperboard containers, including shipping sacks and other paper	х	9 123	х	N
33431005 33100077	packaging supplies. Loudspeakers, microphones, and tuners (all types) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	7 125 16 254	X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	2 180 714 2 564 871	X	N N
	334512, AUTOMATIC ENVIRONMENTAL CONTROL MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry Printed circuit assemblies, loaded boards or modules (printed circuit boards	Х	34 426	x	30 654
33441300	with inserted electronic components)	X	14 728	X	7 903
33441400	circuits for electronic circuitry Capacitors for electronic circuitry	X	62 517 10 117	×	42 196 9 400
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.	X X	13 086 45 722	X X	7 646 47 865
33593101 001900B1	Current-carrying wiring devices	X X	19 069 13 038	X X X	12 303 7 355
33410001 33451501	Electronic computing equipment	Х	8 261	Х	7 070
	instrument relays)	Х	l D	X I	3 186

NAICS	ee appendixesj	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334512, AUTOMATIC ENVIRONMENTAL CONTROL MFG— Con.				
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	х	D	х	N
32610007	rastics restrict consumed in the form of granules, penets, powders, includes, etc. Fabricated plastics products (except gaskets, hoses, and belting)	X	35 017 36 897	X	20 737 25 236
332000A9 332000AC	Sheet metal products, except stampings	x x	35 501 63 796	x x	21 252 33 355
332000AE 33210001	Metal stampings Other fabricated metal products (except forgings) Forgings	X X X X X	44 944 7 004	X X X X X	N 51
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal		37 255		N
32720003	Glass and glass products (excluding windows and mirrors)	X X X	34 262 4 965	X	N 2 264
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	268 194 237 502	X	N D
	334513, INDUSTRIAL PROCESS CONTROL INSTRUMENT MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	x	103 326	x	47 013
33441300	with inserted electronic components)	x	168 987	X	71 269
33441400	circuits for electronic circuitry	X X X	128 250 22 765	X X X	69 361 13 918
33441500 001900D3	Resistors for electronic circuitry		98 826		60 883
33593101	tubes. Current-carrying wiring devices	X X X	102 272 24 159	X X X	43 656 15 505
001900B1 33410001	Electrical transmission, distribution, and control equipment Electronic computing equipment	X	71 823 80 498	X	14 915 84 931
33451501	Electrical instrument mechanisms and meter movements (including instrument relays).	X	24 106	х	24 571
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	X	68 789	х	67 056
32610007	etc. Fabricated plastics products (except gaskets, hoses, and belting)	X X X X X	5 608 39 259	X X X X X	2 637 26 136
332000A9 332000AC	Sheet metal products, except stampings	X	49 195 57 093	X	60 227 23 013
332000AE 33210001	Metal stampings Other fabricated metal products (except forgings) Forgings	X	79 852 8 600	X	N 4 101
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal products		86 336 54 698		N N
32720003 00970099	Glass and glass products (excluding windows and mirrors) All other materials and components, parts, containers, and supplies	X X X	10 568 364 616	X X X	7 592 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	716 768	â	Ň
	334514, TOTALIZING FLUID METER & COUNTING DEVICE MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	X	74 966	X	42 468
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated	X	61 700	X	19 894
33441400 33441500	circuits for electronic circuitry	X X X	72 465 6 966 5 558	X X X	79 762 22 585 7 331
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes		34 541		3 928
33593101 001900B1	Current-carrying wiring devices . Electrical transmission, distribution, and control equipment	X X X	12 140 10 093	X X X	12 110 5 568
33410001 33451501	Electronic computing equipment	X	11 406	×	11 424
	instrument relays)	X	20 191	Х	26 509
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	X	10 712	X	D
32610007	etc. Fabricated plastics products (except gaskets, hoses, and belting)	X	91 160 57 455	X	46 476 27 687
332000A9 332000AC 332000AE	Sheet metal products, except stampings	X X X X X	9 873 16 082	X X X X X	10 376 16 542
3321000AE 33210001 33100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	\$	30 767 D D	\$	N D N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products		15 565		N
32720003 00970099	Glass and glass products (excluding windows and mirrors) All other materials and components, parts, containers, and supplies	X X X	3 725 801 548	X X X	2 361 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	196 636	X	D
	334515, ELECTRICITY MEASURING & TESTING INSTRUMENT MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	X	223 187	Х	N
33441300	with inserted electronic components)	X	310 399	X	N
33441400	circuits for electronic circuitry Capacitors for electronic circuitry	X X X	485 218 39 103	X	N N
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.		33 332 501 753	x x	N N
33593101 001900B1	tubes. Current-carrying wiring devices . Electrical transmission, distribution, and control equipment .	X X X	85 973 138 757	X	N N N
33410001 33451501	Electronic computing equipment Electronic instrument mechanisms and meter movements (including	â	112 622	â	N
	instrument relays)	х	69 960	х	N

NAICS		1997	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334515, ELECTRICITY MEASURING & TESTING INSTRUMENT MFG—Con.				
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	х	415 717	x	N
32610007 332000A9	etc. Fabricated plastics products (except gaskets, hoses, and belting) Sheet metal products, except stampings	X X	4 719 43 656 116 518	X X X X X	N N N
332000AC 332000AE	Metal stampings Other fabricated metal products (except forgings) Forgings	X X X	28 405 68 019	XX	N N
33210001 33100035 33100033	Forgings. Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	X	4 102 15 860	X	N N
32720003	products	X X X	15 818 11 725	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	x	832 699 1 034 068	â	N N
33441200	334516, ANALYTICAL LABORATORY INSTRUMENT MFG Printed circuit boards (without inserted components) for electronic circuitry	X	68 509	x	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	185 463	x	N
33441300 33441400	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	49 929 13 279	X X X	N N
33441500 001900D3	Resistors for electronic circuitry	х	12 194 67 363		N
33593101 33451501	tubes. Current-carrying wiring devices Electrical instrument mechanisms and meter movements (including	X	48 521	X	N N
33410001 001900B1	instrument relays). Electronic computing equipment Electrical transmission, distribution, and control equipment	X X X	102 587 112 489 53 066	X X X	N N 26 232
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	X	132 380	X	75 564
32610007	etc. Fabricated plactics products (except gaskets hoses and helting)	X	D 112 179	X	1 853 N
332000A9 332000AC 332000AE	Sheet metal products, except stampings Metal stampings Other fabricated metal products (except forgings) Forgings Contines (rough and comificience)	X X X	110 765 9 464 146 195	X X X X X	N N N
33210001 33100035	Forgings. Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	XXX	29 880	X	N N
33100033 32720003	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	39 135 63 104	X	N 47 841
00970099 00971000	All other materials and components, parts, containers, and supplies	X	399 345 490 053	X X X	N N
	334517, IRRADIATION APPARATUS MFG				
33272203 332000AC	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	12 180 19 745	X	11 136 D
33200085 33210001	All other fabricated metal products (except forgings)	X	137 743 D	X X X X	99 133 D
33100035 33120031	Castings (rough and semifinished) Stainless steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	7 054 9 555	X	953 4 248
33120043 331000AJ	Other steel shapes and forms (except castings, forgings, and fabricated metal products)	х	7 749	х	5 248
3341000A3	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	Х	9 144	x	8 893
33441105	into complete finished products Transmittal, industrial, and special-purpose electron tubes, except x-ray	X	390 806 D	X	D D
33441300 33441400	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.	X	26 499 6 847	X	8 062 3 756
33441500 33441700	Capacitors for electronic circuitry Resistors for electronic circuitry Connectors for electronic circuitry Other electronic components and accessories	X X X X X	9 077 5 261	X X X X	3 671 3 193
001900C2 331000A1 32610013	Other electronic components and accessories Insulated wire and cable, except magnet wire Plastics products consumed in the form of sheets, rods, tubes, film, and	X	71 746 25 860	X	169 317 14 585
32221001	other shapes	X	7 681 8 390	X X X	5 664 1 553
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	129 865 627 491	X	272 162 248 713
00400000	334518, WATCH, CLOCK, & PART MFG				
33100033 33100035	Metal shapes and forms, except castings, forgings, and fabricated metal products. Castings (rough and semifinished)	X X X	D 2 906	X	N N
33200095 33441200 001900C7	Other fabricated metal products (éxcept forgings) Printed circuit boards (without inserted components) for electronic circuitry Printed computer processors (system boards, array processors, etc.) for	X	7 277 1 297	X X X	N N
001900C7	electronic circuitry	Х	D	x	N
33531201 33451801	transformers, transducers, switches, etc) exc. tubes	X X X	3 493 570 25 734	X X X X	N N N
33451803 33451805	Imported (not made in the United States) watch movements or modules Domestic (made in the United States) watch movements or modules	XX	8 208 D	x x	N N
33451807 33451811	Imported (not made in the United States) watchcases	х	586	х	N
33451815	displays, etc., exc. movements and face crystals)	X	4 750	X	N N
00190092 00190093	etc., except movements and face crystals) Watchbands Face crystals	X X X	573 3 243 295	X X X	N N N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	x	15 449	x	N

NAICS	е арренилес)	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334518, WATCH, CLOCK, & PART MFG—Con.				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	16 893	x	N
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	13 567 93 063 41 969	X X X X	N N N
	334519, OTHER MEASURING & CONTROLLING DEVICE MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	X	40 742	X	N
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X X	74 707 57 973	X X	N N
33441400 33441500	Capacitors for electronic circuitry Resistors for electronic circuitry	x x	11 873 9 651	x x	N N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes.	X	43 470	×	Ņ
33593101 33451501	Current-carrying wiring devices Electrical instrument mechanisms and meter movements (including instrument relays).	X X	24 561 22 531	X X	N N
33410001 001900B1	Electronic computing equipment Electrical transmission, distribution, and control equipment	x x	77 418 27 929	X X	N N
33451503 32521105	Electrical measuring instruments and parts, not listed elsewhere	x	27 242	x	N
32610007	etc. Fabricated plastics products (except gaskets, hoses, and belting)	×	7 842 35 399	X	N N
332000A9 332000AC	Sheet metal products, except stampings	X	51 104 18 352	X	N N
332000AE 33210001 33100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X X X	108 323 7 792 26 706	X X X X X X	N N N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal	×	55 806	×	N
32720003 00970099	products . Glass and glass products (excluding windows and mirrors) All other materials and components, parts, containers, and supplies	X	8 897 370 638	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k. 334612, PRERECORDED CD (EXCEPT SOFTWARE), TAPE, &	Х	560 042	X	N
33461301	RECORD REPRODUCING Unrecorded audio-range magnetic tape, with or without cassettes or				
33461200	cartridges	X	181 123 2 107	X X X	N N
33461303 32619907 32610013	Compact disc blanks for audio and computer use	X	27 374 127 540	XX	N N
32521105	other shapes	X	67 797	×	N
32200005	etc. Paper and paperboard products (including album covers, sleeves, etc.) Paper and paperboard products (including album covers, sleeves, etc.) Paper and paperboard products (including album covers, sleeves, etc.)	X	88 246 88 614	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	219 075 444 629	XX	N N
22100027	334613, MAGNETIC & OPTICAL RECORDING MEDIA MFG	V	10.005		D
33100037 32221001 32610013	Other metal powders, including chromium Paperboard containers, boxes, and corrugated paperboard Plastics products consumed in the form of sheets, rods, tubes, film, and	X X	12 205 76 032	XX	113 680
32610007	other shapes	X X	329 340 103 808	X X	346 268 151 017
32521105 33272203	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	75 374	x	200 067
33200095	products Other fabricated metal products (except forgings)	X X	D D	X	N N
33210001 33100035	Forgings Castings (rough and semifinished)	X	_ D	XX	N D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	x	34 840
33100039 33100077	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	208 280	x	91 281
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Ferrites (powder and paste)	X X	D D	X	D 41 131
33593101 00970099	Current-carrying wiring devices All other materials and components, parts, containers, and supplies	X	D 430 738	X X X	D 599 561
00971000	Materials, ingredients, containers, and supplies, n.s.k. 335110, ELECTRIC LAMP BULB & PART MFG	Х	689 837	Х	174 409
32720009	Glass and glass products (including lamp bulb blanks)	Х	297 162	х	257 806
32220017 325000A7	Paper and paperboard containers, including shipping sacks and other paper packaging supplies. Industrial inorganic chemicals	X	117 588 65 856	X	89 666 33 170
33100045 33511005	Nonferrous metal wire Electric lamp (bulb) bases. All other materials and components, parts, containers, and supplies.	X X	169 988 119 233	X X X X	124 296 91 970
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	208 899 33 824	X	149 885 86 462
00504:	335121, RESIDENTIAL ELECTRIC LIGHTING FIXTURE MFG				
32521105 32610013	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	Х	5 696	x	N
32221001	other shapes	X X	11 871 43 423	××	N N
33531100 33593101	Specialty transformers and fluorescent ballasts	X X	68 672 32 751	XX	7 162 21 612
33511001 32721101 32610011	Electric lamp bulbs . Flat glass (plate, float, and sheet) Fabricated plastics products (except gaskets)	X X X	21 375 13 085 22 787	X X X X X	11 234 16 476 4 723
331000A7	Insulated wire and cable, including magnet wire.	x	12 946	î î	8 531

NAICS	ee appendixes]	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335121, RESIDENTIAL ELECTRIC LIGHTING FIXTURE MFG— Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33299903	products	X	19 839 4 528	X X X X X X X	12 358 2 767
33200027 33210001	All other fabricated metal products (except forgings)	X	34 331 881	X	28 419 N
33151001 33152005	Iron and steel castings (rough and semifinished)	X	10 461 16 657	X	4 524 6 414
33152003 33120017	Other nonferrous castings (rough and semifinished)	X	12 121 34 278	X	8 151 15 586
33120025 33120097	Steel wire and wire products All other steel mill shapes and forms (except castings and forgings)	X	4 960 26 574	XX	1 725 5 487
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x	3 477	x	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	x	7 021	x	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	13 923	x	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	5 679	x	N
33100083	and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	8 429	x	N
33512100 00970099	Lamp shades. All other materials and components, parts, containers, and supplies	X	23 359 250 395	X	22 011 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	151 384	X	Ň
	335122, COMMERCIAL/INDUSTRIAL/INSTITUTIONAL ELECTRIC LIGHTING FIXTURE MFG				
33531100	Specialty transformers and fluorescent ballasts	x	546 146	x	466 878
33593101 33511001	Current-carrying wiring devices	X	88 612 57 801	X X X	60 286 41 302
32721101 32521105	Flat glass (plate, float, and sheet)	X	10 196	Х	9 198
32610013	etc	X	15 737	X	24 507
32610011	other shapes Fabricated plastics products (except gaskets) Insulated wire and cable, including magnet wire	X	66 287 53 573	X X X	40 288 45 381
331000A7 32221001	Insulated wire and cable, including magnet wire	X	20 010 72 244	X	6 353 56 949
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	39 893	x	38 947
33299903	Metal poles	x	7 648	x	1 427
33200027 33210001	All other fabricated metal products (except forgings)	X	88 087	X N	52 347 N
33151001 33152005	Iron and steel castings (rough and semifinished)	X	5 865 49 303	X	14 267 28 391
33152003 33120017	Other nonferrous castings (rough and semifinished) Steel sheet and strip, including tin plate	X	2 351 189 348	X	1 996 172 871
33120025 33120097	Steel wire and wire products	X	12 464 64 313	X	7 104 18 204
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x	59 806	â	63 846
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	x	D	x	20 750
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	1 720
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings,	x	8 025	x	884
33100083	and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	3 315	x	N
33512100 00970099	Lamp shades. All other materials and components, parts, containers, and supplies	X	2 444 303 709	X	N 110 355
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	58 873	x	159 762
	335129, OTHER LIGHTING EQUIPMENT MFG				
33531100 33593101	Specialty transformers and fluorescent ballasts Current-carrying wiring devices	X	77 613 44 517	X	64 388 N
33511001 32721101	Electric lamp bulbs Flat glass (plate, float, and sheet)	X	65 294 14 835	X	50 616 11 266
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	23 061	x	9 696
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	16 722	x	12 884
32610011 331000A7	Fabricated plastics products (except gaskets) Insulated wire and cable, including magnet wire	X	46 788 16 002	X	36 541 N
32221001 33272203	Paperboard containers, boxes, and corrugated paperboard Metal bolts, nuts, screws, washers, rivets, and other screw machine	x	35 234	x	27 383
00272200	products	X	23 076	Х	N
33299903 33200027	Metal poles	X	29 551 48 370	X	18 305 30 876
33210001 33151001	Forgings	X	42 527	X	N 3 680
33152005 33152003	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X	75 179 8 063	X	57 782 4 054
33120017 33120025	Steel sheet and strip, including tin plate	X	26 428 2 526	x x x x x x	24 064 2 232
33120097 33131501	Steel wire and wire 'products' All other steel mill shapes and forms (except castings and forgings) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x x	11 685 41 727	X	7 429 19 223
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded				
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	X	62 228	X	40 775
33142111	castings, forgings, and fabricated metal products)	X	5 225	X	6 023
33100083	and fabricated metal products)	X	6 532	X	N
00970099	fabricated metal products)	X X X	3 758 311 974	X X X	N 7 748
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	181 991	Х	N

NAICS	er appertuixes _j	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335211, ELECTRIC HOUSEWARES & HOUSEHOLD FAN MFG				
332000AC 33290011	Metal stampings	Х	26 574	Х	N
33272203	products (except forgings) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	9 757	X	N
33200025	products	X	18 214 39 126	X	N N
33210001 33151001 33152005	Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	D D 21 580	X X X	N N N
33152003 33152003 33120007	Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	â	21 380 D	â	N
33120017	metal products). Steel sheet and strip, including tin plate.	X	D 81 678	X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated	Х	15 416	x	N
33100039	metal products). Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products).	X	15 416 28 483	X	N N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	853	X	N
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	28 771	X	N
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	х	81 891	х	N
33531221 32220017	Integral horsepower electric motors and generators (1 hp or more)	Х	D	Х	N
001900B1	packaging suppliesElectrical transmission, distribution, and control equipment	X	69 208 D	X	N N
33593101 33451809	Current-carrying wiring devices	X	23 437 D	X	N N
33451200 32551003	Automatic temperature controls (thermostats, regulators, etc.) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	47 245	X	N
32600017	products	X X	13 006 4 463	X X	N N
32622001 32610013	Rubber and plastics hose and belting	X	1 610	X	N
32521105	other shapes	X	63 058	X	N
33100095	etc. Complete flexible cord sets.	X	82 607 16 059	X	N N
001900B7 32799301	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	34 416 4 044	×	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k	x x	315 451 239 023	x X	N N
0007.000	335212, HOUSEHOLD VACUUM CLEANER MFG		200 020	^	
332000AC	Metal stampings	х	16 807	x	N
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	х	1 535	х	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	15 284	X	N N
33200025 33210001 33151001	All other fabricated metal products (except forgings). Forgings. Iron and steel castings (rough and semifinished).	X	11 501 - D	X X X	N N N
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X	D 2 340	X X	N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	х	N
33120017	Steel sheet and strip, including tin plate	Х	D	X	N
33120033 33100039	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	19 515	x	N
33100039	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	Х	1 277	x	N
33100087	fabricated metal products) Nonferrous wire and cable, including magnet wire, bare or insulated wire,	X	D	X	N
33531219	etc	Х	D	Х	N
33531221	including timing motors	X X	53 340 54 009	X	N N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	58 223	X	N
001900B1 33593101 33451809	Electrical transmission, distribution, and control equipment Current-carrying wiring devices Timing mechanisms, except microprocessors	X X X	5 025 20 570	X X X	N N N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	_ D	X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products.	х	4 794	x	N
32600017 32622001	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets. Rubber and plastics hose and belting. Plastics products consumed in the form of sheets, rods, tubes, film, and	X X	D 27 835	X	N N
32610013	other shapes	х	52 274	x	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	117 823	×	N
33100095 001900B7	Complete flexible cord sets. Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components.	X X	31 550 7 949	X X	N N
32799301 00970099	Mineral wool insulation (fibrous glass, rock wool, etc.) All other materials and components, parts, containers, and supplies	X X	7 949 D 362 680	X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	82 999	x	Ň
	335221, HOUSEHOLD COOKING APPLIANCE MFG				
332000AC 33290011	Metal stampings	X	159 194	X	98 886
33272203	products (except forgings) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	51 124	X	36 458
33200025	products All other fabricated metal products (except forgings).	X	19 310 21 697	XX	20 524 29 894

NAICS material code	Industry and materials consumed			1992		
	,	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
	335221, HOUSEHOLD COOKING APPLIANCE MFG—Con.					
33210001 33151001 33152005 33152003 33120007	Forgings	X X X	D 22 195 83 317 D	X X X	D 12 568 N N	
33120017 33120033	metal products)	X	D 234 196	X	D 103 187	
33100039	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	46 289	х	49 929	
33100077	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	X	16 174	X	N	
33100087	fabricated metal products) Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X X	D 26 010	X X	N 4 706	
33531219	Fractional horsepower electric motors and generators (less than 1 hp)		40.457	V		
33531221 32220017	including timing motors Integral horsepower electric motors and generators (1 hp or more) Paper and paperboard containers, including shipping sacks and other paper	X	13 457 D	X	N N	
001900B1	packaging supplies. Electrical transmission, distribution, and control equipment	X	69 527 D D	X	58 792 48 971	
33593101 33451809 33451200	Current-carrying wiring devices Timing mechanisms, except microprocessors Automatic temperature controls (thermostats, regulators, etc.)	X X X	95 317 40 285	X X X	34 033 12 791 28 773	
32551003 32600017	Paints, varnishes, lacquers, stains, shellacs, japāns, enamels, and allied products Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	48 534 5 576	X	27 836 4 552	
32622001	Rubber and plastics hose and belting	â	8 054	x	6 000	
32610013 32521105	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	26 761	х	28 761	
33100095	etc. Complete flexible cord sets.	X	4 833 7 716	X	3 259 D	
001900B7 32799301	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	28 131 33 667	X X X	53 907 12 216	
00970099 00971000	All other materials and components, parts, containers, and supplies	x x	297 000 250 506	x x	354 207 336 071	
	335222, HOUSEHOLD REFRIGERATOR & HOME FREEZER MFG					
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	x	435 216	x	343 722	
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp).	x	34 999	x	N	
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	x	73 222	X	Ņ	
33531221 33341200 001900B1	Integral horsepower electric motors and generators (1 hp or more) Fans and blowers Electrical transmission, distribution, and control equipment	X X X	- D 87 843	X X X	N D 30 556	
33593101 33451200	Current-carrying wiring devices	XX	87 051 64 949	X	72 967 48 076	
33299101 33272203	Ball and roller bearings (mounted or unmounted) Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X	D 22 066	X X	D 59 135	
332000AC	Metal stampings	X	D	x	30 235	
33251005 33291901	Metal hardware, including hinges, handles, locks, casters, etc. Metal pipe, valves, and pipe fittings (except forgings)	x x	27 629 D	X X	37 827 N	
33200053 33210001	All other fabricated metal products (except forgings)	X	56 411	X	N N	
33151001 33152005 33152003	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X X	7 439 7 287 D	X X X	N N N	
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x	D	x	N	
33120017	Steel sheet and strip, including tin plate	X	187 543	X	249 539	
33120025 33120035	Steel wire and wire products All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	64 130 D	X X	N N	
33142135	metal products). Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products).	X	29 067	x	19 351	
33142143 33131501	All other copper and copper-base alloy shapes and forms (except castings, rorgings, and fabricated metal products) All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X	D 20 282	X	15 209 20 640	
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	20 282 D	x	20 640 N	
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Paper and paperboard containers, including shipping sacks and other paper	x	D	X	N	
32220017	packaging supplies	x	77 199	х	48 316	
32192003 32551003	Wooden containers, complete (including combination wood and paperboard). Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	x	13 005	х	6 299	
32331003	products	x	30 897	х	29 098	
32510027 32521105	Refrigerant gases and other synthetic organic chemicals	х	101 318	Х	90 161	
32610013	etc	X	156 821	X	139 746	
32610007 32622001	other shapes Fabricated plastics products (except gaskets, hoses, and belting) Rubber and plastics hose and belting	X X X	173 392 246 096 23 490	X X X	44 641 209 081 D	
33999101 32799301	Gaskets (all types) and asbestos packing	X	40 484 55 703	X	41 634 24 265	
00970099 00971000	All other materials and components, parts, containers, and supplies	X	229 112 232 216	X	191 952 343 574	

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material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335224, HOUSEHOLD LAUNDRY EQUIPMENT MFG				
332000AC 33290011	Metal stampings	Х	90 822	X	42 806
33272203	products (except forgings) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	5 471	X	8 831
33200025 33210001	products All other fabricated metal products (except forgings)	X X X	48 780 D D	X X X	40 073 34 555 N
33151001 33152005	Iron and steel castings (rough and semifinished)	X X	D 34 742	X	N N
33152003 33120007	Other nonferrous castings (rough and semiffinished)	X	D 00 000	X	N 10,000
33120017	metal products) Steel sheet and strip, including tin plate	X	22 832 343 389	X	19 098 N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	Х	49 337	x	N
33100039 33100077	Aluminum and aluminum-base alloy snapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	Х	49 712	х	D
33100087	fabricated metal products) Nonferrous wire and cable, including magnet wire, bare or insulated wire,	Х	D	X	D
33531219	etc	X	D 010 070	X	D
33531221 32220017	including timing motors Integral horsepower electric motors and generators (1 hp or more) Paper and paperboard containers, including shipping sacks and other paper	X	219 378 D	X	N 29 914
001900B1	packaging supplies. Electrical transmission, distribution, and control equipment.	X X	61 922 D	X X	37 742 49 368
33593101 33451809	Current-carrying wiring devices Timing mechanisms, except microprocessors	X	D 95 907	X X X	D 72 886
33451200 32551003	Automatic temperature controls (thermostats, regulators, etc.) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	Х	43 034	х	42 509
32600017	products	X X	57 165 D	X	46 335 D
32622001 32610013	Rubber and plastics hose and belting. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	41 282 120 633	X X	46 193 67 631
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	×	58 632	×	29 318
33100095 001900B7	Complete flexible cord sets	X	D	X	D
32799301 00970099	other electronic components Mineral wool insulation (fibrous glass, rock wool, etc.) All other materials and components, parts, containers, and supplies	X X X	D D 157 863	X X X	D D 142 403
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	45 823	â	4 550
00000040	335228, OTHER MAJOR HOUSEHOLD APPLIANCE MFG	V	00.540	V	
332000AC 33290011	Metal stampings Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	39 516 39 246	X X	N N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	х	72 223	x	N
33200025 33210001	All other fabricated metal products (except forgings)	X	14 923 D D	X X X X	N N
33151001 33152005 33152003	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X X	D D	X X	N N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	х	D	x	N
33120017 33120033	Steel sheet and strip, including tin plate	Х	180 961	X	N
33100039	metal products). Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	Х	13 941	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and	X	14 533	X	N
33100087	fabricated metal products) Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X X	D 16 693	X X	N N
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	х	96 467	x	N
33531221 32220017	Integral horsepower electric motors and generators (1 hp or more)	X	D 49 110	X	N
001900B1 33593101	packaging supplies. Electrical transmission, distribution, and control equipment	X X	48 112 64 997 19 716	X X X	N N N
33451809	Timing mechanisms, except microprocessors	Х	18 990	Х	N
33451200 32551003	Automatic temperature controls (thermostats, regulators, etc.) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X X	95 416 19 378	X X	N N
32600017 32622001	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X X	721 14 505	x x	N N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	Х	66 443	x	N
32521105 33100095	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	X X	61 320 D	×	N N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	х	18 425	x	N
32799301 00970099 00971000	Mineral wool insulation (fibrous glass, rock wool, etc.) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	27 985 171 190 251 961	X X X	N N N
	335311, POWER, DISTRIBUTION, & SPECIALTY TRANSFORMER MFG	^	_3. 331		.•
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	Х	35 501	х	N
33200095 33210001	Other fabricated metal products (except forgings) Forgings	x x	80 045 D	X X	N N

NAICS	ee appendixes]	1997	,	1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335311, POWER, DISTRIBUTION, & SPECIALTY TRANSFORMER MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	33 742	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	5 444	X	N N
33500007 33100035	Electrical industrial capacitors, resistors, rheostats, and coil windings Castings (rough and semifinished)	x x	167 778 D	x X	N 2 938
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	523 399	x	_ 000 N
33131501 33100055	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing . All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products) .	X	50 455 14 776	X X	28 803 33 893
33100097 331000A1	Magnet wire Insulated wire and cable, except magnet wire	X	242 954 33 607	x x	117 042 40 862
32410003	Refined petroleum products (transformer oils, lubricating oils and greases, etc.).	x	75 312	x	59 608
32711301	Porcelain, steatite, and other ceramic electrical products	x	65 592	x	45 154
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	x	52 137	x	53 563
32551003 33593101	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products.	×	24 197 68 156	X	16 798 41 138
00970099 00971000	Current-carrying wiring devices All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	265 079 306 511	X X	41 136 N N
	335312, MOTOR & GENERATOR MFG				
332000AC 33272203	Metal stampings	X	218 133	X	N
33200085 33210001	products All other fabricated metal products (except forgings)	X X X	93 160 134 243	X	N N N
33151001 33152005	Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X	25 355 129 730 99 213	X X X	N N N
33152003 33152003 33120007	Other nonferrous castings (rough and semifinished)	X	52 701	X	N
33120017 33120025	metal products) . Steel sheet and strip, including tin plate	X X X	151 171 601 555 26 194	X X X	N N N
33120015	All other steel shapes and forms (except castings, forgings, and fabricated metal products). Copper and copper-base alloy bare wire for electrical conduction only	х	101 295	x	N
33100093 33142105	Copper and copper-base alloy bare wire for electrical conduction only Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X X	36 074 84 099	X X	N N
33142139	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	25 921	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	82 895	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	14 228	x	N
33100097 331000A3	Magnet wire	X X X	312 906 57 157	X X X	N N
33131201 33361811	Magnet wire Insulated copper wire and cable, except magnet wire Primary aluminum and aluminum-base alloy refinery shapes Diesel and semidiesel engines.	X	8 300 D	X	N N
33361805 33531211	Gasoline and other carburetor engines	X	D 109 906	X X X	N N
33531221 33299101	Fractional horsepower electric motors (less than 1 hp) Integral horsepower electric motors and generators (1 hp or more) Ball and roller bearings (mounted or unmounted)	X	81 858 97 814	X	N N
33361301 33361200	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives	X	45 917 20 653	X X X	N N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	×	104 065	×	N
33599105 32711303 32610013	Ceramic magnets (ferrite) Plastics products consumed in the form of sheets, rods, tubes, film, and	X	22 661 73 569	X	N N
	other shapes Plastics resins consumed in the form of granules, pellets, powders, liquids,	Х	128 315	Х	N
32521105 32551003	Plasitics resins consumed in the form of granules, peliets, powders, liquids, etc. Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	x	91 961	х	N
33500007	products Electrical industrial capacitors, resistors, rheostats, and coil windings	X	32 705 156 200	X	N N
001900B1 32221001	Electrical transmission, distribution, and control equipment	X	89 588 40 118	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	660 769 1 123 865	X	N N
	335313, SWITCHGEAR & SWITCHBOARD APPARATUS MFG				
332000A9 33272203	Sheet metal products, except stampings	X	45 648	x	40 877
33200087	products	X	85 353 145 119	X	73 096 89 227
33210001 33100035	Forgings	××	8 164 51 494	X	5 323 38 201
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate	X	41 924 149 684	X	21 995 136 134
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	x	5 597	х	5 459
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	65 256	Х	12 972
33140001	Nonferrous metal smelter and refinery shapes, including precious metal (except castings, forgings, & fabr. metal prods) Always and always have alleged to me and forms (except wire)	x	20 626	x	11 953
33100061 33142123	Aluminum and aluminum-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	x	50 718	x	36 332
33100081	forgings, and fabricated metal products) All other nonferrous shapes and forms (except castings, forgings, and	x	165 242	x	126 246
33.00001	fabricated metal products)	x	26 876	x	15 008

NAICS	ее арреникез	1997		1992		
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
	335313, SWITCHGEAR & SWITCHBOARD APPARATUS MFG —Con.					
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire,					
33531401 33531403	etc. Industrial electrical control equipment purchased from other companies	X X	51 527 218 429	X	50 988 210 478	
32711301 32610013	company Porcelain, steatite, and other ceramic electrical products. Plastics products consumed in the form of sheets, rods, tubes, film, and	X X	407 428 47 514	X	165 208 57 325	
32521105	other shapes	X X	71 488 50 326	X X	50 605 36 746	
33531301 001900B5	etc. Switches, except snap, toggle and push, and circuit breakers Resistors, capacitors, transformers, and other electronic-type components, except electron tubes and semiconductors	x x	35 590 84 892	x x	92 459 91 488	
33441200 001900B9	Printed circuit boards (without inserted components) for electronic circuitry Semiconductors, microprocessors, memory, ASICs and power semiconductor devices	x x	25 597 11 129	X	91 400 N	
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	561 818 390 371	X X X	N N	
	335314, RELAY & INDUSTRIAL CONTROL MFG					
332000A9 33272203	Sheet metal products, except stampings	Х	92 324	X	86 888	
33200087	products. All other fabricated metal products (except forgings). Forgings.	X X	57 374 96 682	X X	46 538 82 169	
33210001 33100035 33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X X	1 696 22 528	X X X	3 582 21 255	
33120017	metal products)	X X	15 408 71 602	X X	8 612 35 372	
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	D	x	3 931	
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	7 441	
33140001	Nonferrous metal smelter and refinery shapes, including precious metal (except castings, forgings, & fabr. metal prods)	Х	20 942	х	19 829	
33100061	Aluminum and aluminum-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	x	14 718	x	10 885	
33142123	Copper and copper-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	x	25 933	x	30 770	
33100081	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	24 386	х	5 866	
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc. Industrial electrical control equipment purchased from other companies	X	59 140	X	32 667	
33531401 33531403	Industrial electrical control equipment received from other plants of the same	X	552 141	X	247 398	
32711301 32610013	company . Porcelain, steatite, and other ceramic electrical products . Plastics products consumed in the form of sheets, rods, tubes, film, and	X	495 593 7 145	X	257 752 7 745	
32521105	other shapes. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	43 024	х	44 367	
33531301	etc. Switches, except snap, toggle and push, and circuit breakers.	X	32 532 38 007	X	22 090 31 471	
001900B5	Resistors, capacitors, transformers, and other electronic-type components,					
33441200 001900B9	except electron tubes and semiconductors Printed circuit boards (without inserted components) for electronic circuitry Semiconductors, microprocessors, memory, ASICs and power	X X	236 066 134 074	X	407 762 N	
00970099 00971000	semiconductor devices All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	146 228 1 524 369 928 036	X X X	N N N	
	335911, STORAGE BATTERY MFG					
332000AC 33200073	Metal stampings	X X X	10 168 61 438	X	N N	
33210001 33151001	Forgings. Iron and steel castings (rough and semifinished)	X	D D	X X X	N D	
33152011 33141951	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Refined unalloyed lead shapes and forms (except castings, forgings, and	X	15 029	x	Ď	
33141953	fabricated metal products) Antimonial lead	X X	434 281 276 636	X X	277 237 177 272	
33141955 33120017	Lead-calcium alloyed	X X	198 170 34 483	X X X	86 335 D	
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	х	D	х	D	
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	Х	D	x	D	
33100063	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	D	x	D	
32513105 32518803 325000B3	Litharge Sulfuric acid (new and spent) (100 percent H2SO4) Other industrial inorganic chemicals (including mercury oxide and silver	X	58 730 32 195	X	43 098 24 809	
32521105	oxide)	X	49 617	х	21 284	
32610013	etc	X	D	X	D	
32610011 32221001	other shapes Fabricated plastics products (except gaskets) Paperboard containers, boxes, and corrugated paperboard	X X X	71 993 260 684 25 644	X X X	38 601 232 713 15 538	
33599101	Carbon and graphite electrodes, and other carbon and graphite products for electrical use	×	462	x	13 338 D	
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x	358 280 130 650	x x	245 966 165 355	

NAICS	ee appendixes]	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335912, PRIMARY BATTERY MFG				
332000AC 33200073	Metal stampings	X	177 722 D	X X X	82 129 D
33210001 33151001	Forgings. Iron and steel castings (rough and semifinished)	x x	- - -	X	D N
33152011 33141951	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	D	X	D
33141953 33141955	fabricated metal products) Antimonial lead Lead-calcium alloyed	X X X	- - -	X X X	D N
33120017 33120083	Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated	â	D	â	N 38 450
00.2000	metal products)	x	38 419	Х	34 366
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	115 522	x	56 046
33100063	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	D
32513105 32518803	Litharge	X	D D	X	N D
325000B3 32521105	Other industrial inorganic chemicals (including mercury oxide and silver oxide) Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	D	x	71 001
32610013	etc	X	15 744	х	10 159
32610011	other shapes	XX	27 095 D	X	30 302 8 404
32221001 33599101	Paperboard containers, boxes, and corrugated paperboard	X	65 721	X	48 375
00970099 00971000	electrical use	X X X	D 292 541 45 979	X X X	D 495 327 39 885
00071000	335921, FIBER OPTIC CABLE MFG		40 070	^	00 000
33122200	Bare steel wire	935.1	46 702	N	Х
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	23.1	30 035	N	X
33142119 33100091	Copper and copper-base alloy wire for redrawing	D	D	N	
331000A5 33142147	redrawing)	D X 7.9	D 26 351 55 509	N X N	X X X
33100089 33100071	Bare aluminum and aluminum-base alloy wire, except for redrawing	, D	33 303 D	Ň	â
33100079	castings, forgings, and fabricated metal products)	D	D	N	Х
32521105	fabricated metal products)	9108.0	12 504 92 932	N N	X X
00504005					
32521205 32500029 32721501	Synthetic rubber	D D X	D D 715 673	N N X	X X X X
32799305 32700003	Fiberglass insulating materials	x x	3 696 D	X	x x
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	13 984	x	
31311103 33593105	Cotton yarns	2.8 X X	13 402 19 007 218 631	N X X	X X X N
00970099 00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	9 829	â	N N
	335929, OTHER COMMUNICATION & ENERGY WIRE MFG				
33122200 33120003	Bare steel wire	14 763.1	35 639	N	N
33142127	metal products)	4 514.7 1 261.9	92 733 1 666 951	N N	N N
33142129 33142119 33100091	Alloyed copper and copper-base alloy vides	182.5 P436.3	190 068 454 201	N N	N N
331000A5	redrawing) mil lb	335.6 X	575 395 149 415	N X	N N
33141101 33142147	Copper and copper-base alloy cathodes	124.8 187.9	260 751 312 618	N N	N N
33100051	Aluminum and aluminum-base alloy rods	238.7	209 251	N	N
33131900 33100089	Aluminum and aluminum-base alloy wire for redrawing	D P20.5	D 74 572	N N	N N
33100071 33141941	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)mil lb Refined unalloyed tin shapes and forms (except castings, forgings, and	P55.3	182 736	N	N
33100079	fabricated metal products)	X	D	х	N
32521105	fabricated metal products) mil lb Plastics resins consumed in the form of granules, pellets, powders, liquids,	79.1	123 177	N	N
32521205	etc	1 153.9 53.7	1 075 276 86 234	N N	N N
32500029 32721501 32799305	All other chemicals and allied products mil lb. Optical fiber, data and nondata transmission Fiberglass insulating materials	101.9 X X	107 651 64 633 5 500	N X X	N N N
32700003	All other stone, clay, glass, and concrete products	x	5 446	x	N
11321001 32610013	Natural rubber	9.2	11 962	N	N
31311103	other shapes	X P.3	69 656 2 247	X N	N N
33593105 00970099	Connectors All other materials and components, parts, containers, and supplies	P.3 X X X	40 807 1 363 564	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	1 983	ΧI	N

NAICS	Industry and materials consumed			1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335931, CURRENT-CARRYING WIRING DEVICE MFG				
332000AC 33272203	Metal stampings	X	86 626	Х	77 092
33200085	products All other fabricated metal products (except forgings).	X	112 521 65 916	X X X X X	71 124 19 426
33210001 33151001	Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X	5 591 6 756	X	2 185 12 255
33152005 33152500	Aluminum and aluminum-base alloy castings (rough and semifinished) Copper and copper-base alloy castings (rough and semifinished)	x x	26 812 11 828	ŷ	17 954 18 210
33152009	Other nonferrous castings (rough and semifinished)	â	12 628	â	2 368
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x	16 234	X	7 310
33120017	Steel sheet and strip, including tin plate	X	36 153	X	25 975
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	2 693	X	1 550
33142107	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	x	25 336	x	13 241
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	x	132 042	x	95 260
33142115	All other copper and copper-base alloy mill shapes and forms (including mechanical wire) (except castings and forgings)	x	26 112	x	20 383
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	42 756	x	25 811
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	14 285	x	18 492
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	120 720	x	107 037
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and				64 030
33593101	other shapes Current-carrying wiring devices	××	94 729 88 320	X	76 919
33141901	Precious métalš (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	x	62 326	X	54 620
331000A1	Insulated wire and cable, except magnet wire	x	45 369	x	45 619
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	x	56 707	x	74 337
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	35 459	x	21 796
00970099 00971000	All other materials and components, parts, containers, and supplies	X	567 573 306 843	X	239 469 301 241
	335932, NONCURRENT-CARRYING WIRING DEVICE MFG				
332000AC	Metal stampings	x	20 357	x	18 064
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	46 809		37 970
33200085	All other fabricated metal products (except forgings)	X	27 646	ŝ	8 434
33210001 33151001	Forgings	X	D 39 862	X X X X X	1 325 46 685
33152005 33152500	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	58 109 2 878	X	48 231 3 838
33152009 33120007	Other nonferrous castings (rough and semifinished)	X	12 137	X	9 204
33120017	metal products)	X	56 875 438 824	X	52 918 225 134
33120033	All other steel shapes and forms (except castings, forgings, and fabricated				
33142107	metal products)	X	125 649	X	156 943
33142131	forgings, and fabricated metal products) Copper and copper-base alloy plate, sheet, and strip, including military cups	X	36 788	X	N
33142115	All other copper and copper-base alloy mill shapes and forms (including	X	D	x	N
	mechanical wire) (except castings and forgings)	x	D	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	50 339	x	20 562
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	10 108	x	10 939
32521105	etc	x	266 020	x	186 727
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	27 784	x	15 598
33593101 33141901	Current-carrying wiring devices	X	38 657	X	4 383
	solder, plating, electrodes, etc.	X	6 217	X	15 144
331000A1 33441300	Insulated wire and cable, except magnet wire	X	20 411	X	10 903
32220017	circuits for electronic circuitry	X	9 903	X	2 590
00970099	packaging supplies. All other materials and components, parts, containers, and supplies.	X	37 670 310 629	X	21 793 182 379
00971000	Materials, ingredients, containers, and supplies, n.s.k.	â	138 918	â	165 674
	335991, CARBON & GRAPHITE PRODUCT MFG				
33200081	Fabricated metal products (except forgings)	X	D	X	N
33210001 33100035	Forgings	X	_ D	X	N N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	N
32519227 32419900	Pitch	X	50 848	X	33 548
32799213	used as raw material	X	191 885 25 697	X	91 163 22 406
32799901 32799201	Artificial graphite Carbon, ground or treated	X	27 111 43 406	X X	28 140 13 108
00970099	Carbon, ground or freated All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	489 621	x X	N
	manerias numerienis containers and supplies n.s.K	X	62 920	X	33 454
00971000	335999, ALL OTHER MISCELLANEOUS ELECTRICAL				

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335999, ALL OTHER MISCELLANEOUS ELECTRICAL				
33272203	EQUIPMENT & COMPONENT MFG—Con. Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33210001	products	X	26 929 D	X X X	N N
33100035 33120001	Forgings. Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal	X	7 920		N
33142111	products)	X X	35 614 5 268	x x	N N
33100083	and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	12 268		N
33531211 33422001	Fractional horsepower electric motors (less than 1 hp) Electronic communication equipment	X	42 685 4 885	X	N N
33599900 00970099 00971000	Automatic garage door controllers All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 1 614 710 1 073 150	X X X X	N N N
	336111, AUTOMOBILE MFG				
33631200 33361803	Gasoline engines and parts specially designed for gasoline engines	X	10 536 759 D	X	N N
33635007 33621101	Drive train components and parts Car bodies	x x	7 620 624 D	X X X	N N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	x	2 026 003		N
33633000 33639901	Shocks, struts, and other suspension equipment and parts	X	2 341 895 1 130 261	X X X	N N
33351501 33399601	Machine tool accessories, including cutting tools	X	D		N N
33291207	pneumatic). Fluid power valves (hydraulic and pneumatic)	X	266 241 D	X	N
33399501 33291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X X X	D 186 439	X	N N
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	D 335 400 7 117 895	X X X X	N N
33637000 33261100 33251011	Automotive stampings (including body parts, nubcaps, tenders, etc.) Steel springs, except wire Motor vehicle metal hardware (lock units, door and window handles, hinges,	X	170 801	X	N N
33272203	etc.), except forgings Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	1 060 386	Х	N
33200049	products	X	574 259 1 084 143	X X X	N N
33210001 33100035	Forgings	X X	D 64 250	X X	N N
33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal products	x	04 230 D		N
33299101 32621003	Ball and roller bearings (mounted or unmounted) Pneumatic tires and inner tubes	X X X	65 814 1 284 894	X X X X	N N
32622001 32600017	Rubber and plastics hose and belting	X	136 216 396 37 <u>3</u>	X	N N
33999103 32610033	Gaskets (all types), and packing and sealing devices Fabricated plastics products, including components, housings, accessories,	X X	D 681 006		N N
32720005 33636003	etc. (except gaskets, hose and belting) Glass and glass products including windows and mirrors Seats (purchased separately) for automobiles, trucks, and buses	XX	1 055 294 2 536 052	X X X	N N
33636007 33639911	Seat covers, seat belts, and shoulder harnesses	×	399 926 1 097 884	X	N N
33636001 31411003	Automotive trimmings, textile (panels, headliners, etc.) Carpeting	X X X	1 949 771 258 784	X X X X	N N
32700035 32552003	Ceramic and ceramic composite parts, components, and accessories Glues and adhesives	X	D 240 620	X	N N
32551003 33632200	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	х	605 840	х	N
33632100	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc	x	1 217 588	x	N
33511003	and dome fixtures; except auto lamps). Automotive lamps (bulbs and sealed beams).	X	976 009 483 231	X	N N
33591103 33431001	Storage batteries, automotive	X X	164 809 1 294 441	X	N N
33451400	speedometers, fuel level)	X	766 210	X	N
001900C1 33411103 00970099	Semiconductors and related devices and electronic control modules. Purchased computers for incorporation into motor vehicles, trucks, or buses. All other materials and components, parts, containers, and supplies.	X X X X	963 257 D 11 853 929	X X X X	N N N
00970099	Materials, ingredients, containers, and supplies, n.s.k.	â	599 920	â	N
0001000	336112, LIGHT TRUCK & UTILITY VEHICLE MFG	v	10 007 005	V	N
33631200 33361803 33635007	Gasoline engines and parts specially designed for gasoline engines Diesel engines and parts specially designed for diesel engines Drive train components and parts	X X X	10 867 605 D 13 051 022	X X X	N N N
33621101 001900A6	Car bodies	â	D D	â	N
33633000	heat transfer equipment	X	1 811 803 3 601 787	X X X	N N
33639901 33351501	Exhaust systems and parts Machine tool accessories, including cutting tools	X	1 291 015 D	X	N N
33399601 33291207	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic)	X X	156 967 D	X X	N N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	x	D		N
33291203 33399901	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D D	X X X X	N N
00190089 33637000	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Automotive stampings (including body parts, hubcaps, fenders, etc.)	X X X X	D 9 707 741	X	N N
33261100 33251011	Steel springs, except wire	Х	732 197	Х	N

NAICS	е арренияся)	199	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336112, LIGHT TRUCK & UTILITY VEHICLE MFG—Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	x	1 179 160	×	N
33200049 33210001	Other fabricated metal products, except forgings.	x x	1 278 150 D	X X X	N N
33100035 33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	â	-	â	N
33299101	products Ball and roller bearings (mounted or unmounted)	X X	D 15 593	X	N N
32621003 32622001	Pneumatic tires and inner tubes Rubber and plastics hose and belting.	x x	2 139 371 D	X X X	N N
32600017 33999103	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	x x	D	X X	N N
32610033	Fabricated plastics products, including components, housings, accessories	^	D	^	IN.
32720005	etc. (except gaskets, hose and belting) Glass and glass products including windows and mirrors. Seats (purchased separately) for automobiles, trucks, and buses	X X	308 198 1 323 694	X	N N
33636003 33636007	Seat covers, seat belts, and shoulder harnesses	X	2 955 253 545 257	X	N N
33639911 33636001	Automotive air bag assemblies and parts thereof	X	1 045 713 2 414 163	X	N N
31411003 32700035	Carpeting	X	363 298	X X X X X	N N
32552003 32551003	Glues and adhesives	X	310 254	Х	N
	products	X	969 805	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	x	740 224	x	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	x	D	x	N
33511003 33591103	and dome fixtures; except auto lamps) Automotive lamps (bulbs and sealed beams) Storage batteries, automotive	X	492 774 162 297	X	N N
33431001 33451400	Motor vehicle clusters, meters, and gauges, except electrical (including	X	1 516 452	X	N
33411103	speedometers, fuel level)	X X	D D	X	N N
001900C1 00970099	Semiconductors and related devices and electronic control modules	X	D 2 610 796	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 077 977	X	N
	336120, HEAVY DUTY TRUCK MFG				
33631200 33361803	Gasoline engines and parts specially designed for gasoline engines	X X	D 1 179 562	X	N N
33635007 33621101	Drive train components and parts	X X	724 290 D	X	N N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	x	55 155	х	N
33633000 33639901	Shocks, struts, and other suspension equipment and parts	X X	60 031 13 728	X	N N
33351501 33399601	Machine tool accessories, including cutting tools	Х	82	Х	N
33291207	pneumatic) Fluid power valves (hydraulic and pneumatic)	××	16 435 1 299	X	N N
33399501 33291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X X	1 424 4 451	X	N N
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	X X	1 542 D	X X	N N
33637000 33261100	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X X	108 060 D	X X	N N
33251011	Steel springs, except wire Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forqings	X	26 541	X	N N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	38 874	X	N N
33200049 33210001	Other fabricated metal products, except forgings.	X	38 085 D	X X	N N
33100035		×	D	X	N
33100033	Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal products	x	15 674	×	N
33299101 32621003	Ball and roller bearings (mounted or unmounted) Pneumatic tires and inner tubes	X X	D 68 809	X X	N N
32622001 32600017	Rubber and plastics hose and belting	X	4 964 D	X	N N
33999103 32610033	Gaskets (all types), and packing and sealing devices	X	D	Х	N
32720005	etc. (except gaskets, hose and belting) Glass and glass products including windows and mirrors	X X	8 844 15 893	X	N N
33636003	Seats (purchased separately) for automobiles, trucks, and buses	Х	46 582	Х	N
33636007 33639911	Seat covers, seat belts, and shoulder harnesses	X X	D D	X	N N
33636001 31411003	Carpeting	X X	32 360 D	X	N N
32700035 32552003	Ceramic and ceramic composite parts, components, and accessories	X X	_ D	X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	x	31 451	x	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	x	32 383	x	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps).	×	8 886	×	N
33511003	Automotive lamps (bulbs and sealed beams)	X	2 193	X	N
33591103 33431001	Storage batteries, automotive Automotive radios and loudspeakers Motor violage dustres, motors, and grupps, except electrical (including	X X	13 438 10 910	X	N N
33451400 001900C1	Motor vehicle clusters, meters, and gauges, except electrical (including speedometers, fuel level)	X X	28 183 11 723	X X	N N
33411103 00970099	Purchased computers for incorporation into motor vehicles, trucks, or buses	X X	D 2 079 833	X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	χ̂ l	5 178 999	χ̈́Ι	Ň

NAICS	ee appendixes]	1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336211, MOTOR VEHICLE BODY MFG				
33600001 33621103	Purchased chassis for vehicles (excluding passenger cars)	X	500 898 57 412	×	333 418 38 829
33635003 33600005	Truck bodies Transmissions and parts Axles, brakes, drums, rims, wheels, and other metal motor wheel parts	x x	65 297 42 866	X X X X X	35 089 42 252
33621101 33633000	Car bodies	x x	14 518 16 046	\$	42 232 N N
33637000	Shocks, struts, and other suspension equipment and parts Automotive stampings (including body parts, hubcaps, fenders, etc.)	â	69 082	â	N N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	x	106 313	x	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	35 638	X	Ņ
33200091 33210001	Other fabricated metal products, except forgings	X X	100 875 13 922	X	N N
00190090 32621003	Forgings	x x	125 009 24 805	X	72 778 N
32610033	Fabricated plastics products, including components, housings, accessories,	x	16 730		N
32720005 33636003	etc. (except gaskets, hose and belting) Glass and glass products including windows and mirrors. Seats (purchased separately) for automobiles, trucks, and buses Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	x x	26 009 33 732	X X X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	×	46 849	x	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights,				
33511003	and dome fixtures; except auto lamps)	X	29 285 4 180	X	N N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	x	99 598	x	N
33120017 33120019	Steel sheet and strip, including tin plate	X	204 831	x	N
33120091	fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	X	47 892	x	29 862
33131501	metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	×	33 640 128 012	X	30 889 82 563
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded	×		x	
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except		45 908		54 257
33100077	castings, forgings, and fabricated metal products)	X	D	X	14 500
32100019	fabricated metal products) Rough and dressed lumber	X	20 005	X	2 828 29 854
00970099 00971000	All other materials and components, parts, containers, and supplies	X	829 832 2 736 548	X	N N
	336212, TRUCK TRAILER MFG				
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	x	D	x	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	x	9 386	x	10 750
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	34 896	x	43 336
33200091 33210001	Other fabricated metal products, except forgings	X	79 950 2 603	X	N 2 213
33100035 33120007	Castings (rough and semifinished)	X	13 917	X	4 976
33120017	metal products)	X	106 850 98 836	X	58 409 86 381
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	x	50 678	x	33 939
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	77 548	x	21 208
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	x	284 296	x	183 513
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	x	282 385	x	163 132
33100049	castings, forgings, and fabricated metal products)	x	36 737	x	7 086
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	2 846	x	252
33600001 33621103	Purchased chassis for vehicles (excluding passenger cars)	X	9 371 4 879	X	16 597 D
33635003 33633000	Transmissions and parts	X	3 512 147 788	X X X X	D 86 769
33600005 32621003	Axles, brakes, drums, rims, wheels, and other metal motor wheel parts	X	346 494 320 024	X	264 931 223 158
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied		22.224		00.004
32720005	products	X	86 294 D	X X X	33 901 D
32100019 00190090	Rough and dressed lumber Fluid power products Motor vehicle lighting fixtures (including headlights, taillights, running lights,	X	235 950 38 804	X	95 655 19 197
33632100	and dome fixtures; except auto lamps)	X	22 900	x	20 111
33511003 33636003	Automotive lamps (bulbs and sealed beams)	X	1 752 D	X X X	D D
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	x	5 018	X X	12 477
00970099 00971000	All other materials and components, parts, containers, and supplies	X	916 035 248 988	X	404 938 291 598
	336213, MOTOR HOME MFG				
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular				
32621003	parts	X	160 079 14 218	X X X	96 566 D
33612000 001900B2	Purchased chassis for motor homes	X	937 693		533 666
001900A7	household appliances, exc. air conditioners Air-conditioning equipment Metal heating equipment (except electric)	X	118 833 41 848	X	73 364 24 339
33341401 33232101	Metal doors and door units, windows and window units	X	19 280 41 735	X	10 096 25 448
33291300	Metal plumbing fixtures, fittings, and trim (including enameled) (except forgings)	X	26 314	X X	9 993
332000A9	Sheet metal products, except stampings	х	36 437	ΧI	16 964

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336213, MOTOR HOME MFG—Con.				
33272203 33200083 33210001 33100035 33120001	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other fabricated metal products, except forgings. Forgings. Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal	X X X	12 241 9 683 D D	X X X	N N N D
33131501 33100055	products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X X	44 873 37 559 D	X X X	15 380 N N
33100077 33593101 32121003	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Current-carrying wiring devices Plywood	X X X	5 791 84 220 79 195	X X X	N 47 605 41 865
32100021 00190099	Dressed lumber	Х	55 239	X	37 947
32720005 32610011 32610013	cabinets) Glass and glass products including windows and mirrors Fabricated plastics products (except gaskets) Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	75 862 35 418 33 827	X X X	31 338 15 047 23 393
32521105	other shapes	X	18 750	X	23 415
32551003 31411003 31412100 00190075 00970099 00971000	etc. Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products. Carpeting. Curtains and draperies Molded composites All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k	x x x x x x	13 517 35 290 38 135 44 197 62 331 327 970 204 574	x x x x x x	8 719 8 857 21 735 17 657 N N 501 971
	336214, TRAVEL TRAILER & CAMPER MFG				
33600003 32621003 33612000 001900B2	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts parts and inner tubes Purchased chassis for motor homes. Household appliances, including refrigerators, cooking equipment, and other	X X X	253 416 82 155 33 983	X X X	N N N
001900A7 33210001 33100035 33200081	household appliances, exc. air conditioners Air-conditioning equipment Forgings Castings (rough and semifinished)	X X X X	121 082 43 445 D D 274 320	X X X X	N N N N N N N N N N N N N N N N N N N
33120001 33100039	Fabricated metal products (except forgings) Steel shapes and forms (except castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x x	153 568 121 334	x x	N N
33100077 33593101 32720005 32610013	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Current-carrying wiring devices Glass and glass products including windows and mirrors Plastics products consumed in the form of sheets, rods, tubes, film, and	X X X	3 800 42 236 77 642	X X X	N N N
32551003 31411003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products Carpeting	X X X	29 206 51 058 28 821	x x x	N N N
31412100 00970099 00971000	Curtains and draperies All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	28 543 732 511 584 587	X X X	N N N
	336311, CARBURETOR, PISTON, PISTON RING, & VALVE MFG				
33272203 33200095 33151001 33152005 33152003 33120007	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other fabricated metal products (except forgings)	X X X X	51 501 31 984 77 362 243 996 D	X X X X	37 964 49 119 68 201 157 628 4 276
33120085	metal products) . All other steel shapes and forms (except castings, forgings, and fabricated metal products) .	X X	53 011 120 061	X X	65 625 N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	58 143	X	45 679
33100077 32221001 00190003 33999103	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Paperboard containers, boxes, and corrugated paperboard Flexible packaging materials Gaskets (all types), and packing and sealing devices	X X X X	D 7 938 389 9 156	X X X X	N 5 100 384 8 482
00970099 00971000	All other materials and components, parts, containers, and supplies	X	231 435 50 522	X	N 36 390
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and		_		
33291207 33399501 33291203 33399901 00190089 33637000	pneumatic) Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Automotive stampings (including body parts, hubcaps, fenders, etc.)	X X X X X X	D D D D D 345 968	X X X X X	2 2 2 2 2 2 2 2 2
33272203 33200019 33210001	Metal bolts, nuts, screws, washers, rivets, and other screw machine products. Other fabricated metal products, except fluid power and forgings. Forgings	X X X	530 646 2 378 644 D	X X X	N N N

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336312, GASOLINE ENGINE & ENGINE PARTS MFG—Con.				
33151001 33152005 33152003 33120007	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X X	2 968 701 941 482 D	×××	N N N
33120017 33120033	metal products) Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated	X	268 524 162 045	X	N N
33142111	metal products)	X X	69 640	X	N N
33100039	and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	×	21 405 183 771	X X	N N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Ball bearings (mounted or unmounted)	x	166 239	x	N
33299105 33299103	Roller hearings (mounted or unmounted)	X X	161 887 38 914	X X	N N
32610011 32610013	Fabricated plastics products (except gaskets) Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X	154 227 36 449	X X	N N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	43 125	x	N
32600017 32622001 32500023	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets Rubber and plastics hose and belting. Ceramic raw materials, including powders, chemicals, and fibers (excluding	X	73 678 87 470	X	N N
32700035	refractory uses)	X	43 091 19 277	X X X	N N
33999103 32551003	Gaskets (all types), and packing and sealing devices . Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products .	X X	83 677 5 032	X X	N N
32552003	Glues and adhesives	x	12 781	x	N
00190003 32220015 33632200	Flexible packaging materials Paper and paperboard containers Engine electrical equipment, including spark plugs, magnetos, generators,	X	5 090 29 243	X	N N
001900B7	starters, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and	X	1 053 675	X	N
00999826 00970099	other electronic components Core parts purchased for use in remanufacturing or rebuilding All other materials and components, parts, containers, and supplies	X X X	555 811 71 632 1 590 317	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	2 700 239	Х	N
33531100	336321, VEHICULAR LIGHTING EQUIPMENT MFG Specialty transformers and fluorescent ballasts	х	4 127	X	6 640
33593101 33511001 32721101	Cürrent-carrying wiring devices Electric lamp bulbs Flat glass (plate, float, and sheet)	X X X	89 003 96 831 1 496	X X X	22 802 91 022 D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	287 587	X	144 633
32610013 32610011	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	24 605 138 778	X	14 857 173 688
331000A7 32221001	Insulated wire and cable, including magnet wire	X X	25 438 62 270	X	10 193 23 365
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	х	50 374	х	25 247
33299903 33200027	Metal poles All other fabricated metal products (except forgings)	X	D 35 669	X	D 18 229
33210001 33151001 33152005	Forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	D D 4 830	X X X X	N 5 862 1 953
33152003 33120017	Other nonferrous castings (rough and semifinished)	X	D 8 407	X X X	D 5 215
33120025 33120097 33131501	Steel wire and wire products All other steel mill shapes and forms (except castings and forgings) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X X	D D 3 578	X X X	D 1 080 D
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	5 289	x	D
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D D	X	D
33142111 33100083	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	817	х	1 285
33512100	fabricated metal products) Lamp shades.	X	335 D	X	621 D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	566 128 66 844	X	323 806 58 398
	336322, OTHER MOTOR VEHICLE ELECTRICAL & ELECTRONIC EQUIPMENT MFG				
32721203 33441200	Tube blanks	X	301 117	N X	N N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	х	D	x	N
33441300 33441400	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	844 372 155 570	X	N N
33441500 001900D3	Resistors for electronic circuitry. Other components and accessories for electronic circuitry, n.e.c., except tubes.	X X	116 689 214 167	X X	N N
32518835 33141911	Silicon, hyperpure	X	-	N	N
33141917	solder, plating, electrodes, etc.). Doped chemicals, and other doped materials for electronic use	X	31	X	N N
33111107 331000AA	Ferrites (powder and paste) Metal powders.	X	- -	N N	N N
33410001 33593101 33422001	Electronic computing equipment Current-carrying wiring devices Electronic communication equipment	X X X	43 83 083 D	X X X	N N N

NAICS	е арренике)	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336322, OTHER MOTOR VEHICLE ELECTRICAL & ELECTRONIC EQUIPMENT MFG—Con.				
33451501	Electrical instrument mechanisms and meter movements (including	x	660	x	N
33331401 32521105	instrument relays). Optical instruments and lenses (except sighting, tracking, and fire control). Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	_	N	Ň
32610011 332000A9	etc	X X X	179 554 439 335 101	X X X	N N N
332000AC 33272203	Fabricated plastics products (except gaskets) Sheet metal products, except stampings Metal stampings Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	4 518		N
33200033 33210001	products . Other fabricated metal products (except forgings) Forgings .	X X X	374 618 D D	X X X	N N N
33100035	Forgings	Х	D	X	N
33120001 33142111	Steel shapes and forms (except castings, forgings, and fabricated metal products) Copper and copper-base alloy shapes and forms (except castings, forgings,	х	145 620	х	N
33100039	and fabricated metal products)	X	315 636	X	N
33100083	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	21 380 D	X X	N N
331000A7 32220017	Insulated wire and cable, including magnet wire	X X	2 364	X	N
33141957 32599217	packaging supplies. Silicon chips Masks	X	930 D -	X X N	N N N
32512005 32611305	Commodity gases Resists (photosensitive resin films applied to the surface of a wafer)	X	D D	X	N N
32518843 33200095	Speciality gases Other fabricated metal products (except forgings)	X	60 793	N X	N N
33151001 33152005 33152003	Iron and steel castings (rough and semifinished)	X X X	25 476 65 041 1 399	X X X	N N N
33100075	Other nonferrous castings (rough and semifinished) All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	39 394		30 388
33100099 33100097	fabricated metal products) Insulated wire and cable (except magnet wire) Magnet wire.	X	99 309 53 726	X X X X	108 652 48 374
33299101 33361200	Magnet wire . Ball and roller bearings (mounted or unmounted) Mechanical speed changers, gears, and industrial high-speed drives	X	42 565 D	â	37 242 34 114
32221001 32610013	Paperboard containers, boxes, and corrugated paperboard Plastics products consumed in the form of sheets, rods, tubes, film, and	X	50 441	X	35 243
32610007 32600017	other shapes Fabricated plastics products (except gaskets, hoses, and belting) Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X X X	27 649 197 179 134 383	X X X	N 60 668 N
00190033 33399601	Used engine electrical equipment for rebuilding, or to be used in rebuilding (starting motors, generators, etc.) Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and	х	127 398	х	79 027
33291207	pneumatic). Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic).	X	D D	X	N N
33399501 33291203 33399901	Huid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power filters (hydraulic and pneumatic)	X X X	D D D	X X X	N N N
00190089 33637000	Other fluid power products (hydraulic and pneumatic)	X	_ 55 569	N X	N N
33200019 33120007	Other fabricated metal products, except fluid power and forgings	X	27 597	X	N
33120017 33120033	metal products)	X	11 970 40 026	X	N N
33299105	metal products)	X	15 776 11 951	X	N N
33299103 32622001 32500023	Roller bearings (mounted or unmounted)	X	D 3 368	X	N N
	refractory uses)	X	D	X	N
32700035 33999103 32551003	Ceramic and ceramic composite parts, components, and accessories Gaskets (all types), and packing and sealing devices Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	D 4 676	X	N N
32552003	products	X	9 787 4 248	X X X	N N
00190003 32220015 33632200	Flexible packaging materials Paper and paperboard containers Engine electrical equipment, including spark plugs, magnetos, generators,	X	D 17 146		N N
001900B7	starters, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	588 015	X	N
00999826 00970099	Core parts purchased for use in remanufacturing or rebuilding	X X X	656 627 33 529 1 015 934	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 530 973	X	N
	336330, MOTOR VEHICLE STEERING & SUSPENSION COMPONENT (EXCEPT SPRING) MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	Ņ
33291207 33399501 33291203	Fluid power valves (hydraulic and pneumatic) Fluid power cylinders and rotary actuators (hydraulic and pneumatic) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X X X	D D D	X X X	N N N
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	XX	D D	X	N N
33637000 33272203	Automotive stampings (including body parts, hubcaps, fenders, etc.) Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X	280 490 123 850	X X	N N
33200019 33210001	Other fabricated metal products, except fluid power and forgings	X	397 398 184 635	X	N N

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cos (\$1,000
	336330, MOTOR VEHICLE STEERING & SUSPENSION COMPONENT (EXCEPT SPRING) MFG—Con.				
33151001 33152005 33152003	Iron and steel castings (rough and semifinished)	X X X	377 459 287 185 D	X X	1 1 1
3120007 3120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products) Steel sheet and strip, including tin plate	×	553 492 171 902	X	
3120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	237 988	X	
	and fabricated metal products)	x	D	X	
3100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	
3100083 3299105	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Ball bearings (mounted or unmounted)	X	33 905 116 986	X X	
3299103	Roller bearings (mounted or unmounted)	X	77 128	x	
2610011 2610013	Fabricated plastics products (except gaskets) Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X	82 912 33 903	X X	
2521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	34 674	x	
32600017 32622001 32500023	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	155 647 74 154	X	
2700025	refractory uses). Ceramic and ceramic composite parts, components, and accessories	X	D D	X	
3999103 2551003	Gaskets (all types), and packing and sealing devices Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	26 421	X	I
	products	X	39 037	X	
32552003 30190003	Glues and adhesives	X	6 768 D	X	
32220015 33632200	Flexible packaging materials Paper and paperboard containers Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X X	38 418 D	x x	
01900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	×	19 930	x	
0999826 0970099	Core parts purchased for use in remanufacturing or rebuilding	X	130 276 670 131	X	
0971000	Materials, ingredients, containers, and supplies, n.s.k.	X	207 212	X	
3399601	336340, MOTOR VEHICLE BRAKE SYSTEM MFG Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
3291207	pneumatic). Fluid power valves (hydraulic and pneumatic)	×	D D	X	
3399501 3291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X X	D	X	
3399901 0190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	X	D D	X	
3637000 3272203	Automotive stampings (including body parts, hubcaps, fenders, etc.) Metal bolts, nuts, screws, washers, rivets, and other screw machine	×	303 036	X	
3200019 3210001	products Other fabricated metal products, except fluid power and forgings Forgings	X X X	435 159 276 189 48 520	X X X	
3151001 3152005	Iron and steel castings (rough and semifinished)	X	935 083	X X	
33152005 33152003 33120007	Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	â	185 700 D	â	
33120017	metal products)	X	58 556 118 545	X	
3120033 3142111	All other steel shapes and forms (except castings, forgings, and fabricated metal products) Copper and copper-base alloy shapes and forms (except castings, forgings,	x	23 217	х	I
3100039	and fabricated metal products)	х	7 064	x	
3100039	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	x	17 413	х	
3299105	fabricated metal products) Ball bearings (mounted or unmounted)	X	24 036 D	X	
33299103 32610011	Roller bearings (mounted or unmounted)	X	D 190 897	X	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	24 900	x	
2610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	14 132	×	
32600017 32622001 32500023	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	149 270 20 692	X	
2700023	refractory uses)	X	101 091 D	X X	
3999103 2551003	Gaskets (all types), and packing and sealing devices Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	â	24 353	â	
	products	X	17 240	X	
32552003 30190003	Glues and adhesives Flexible packaging materials	X	2 959 10 076	X	
32220015 33632200	Paper and paperboard containers	X	31 390	X	
01900B7	starters, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X X	D D	X	
00999826	other electronic components Core parts purchased for use in remanufacturing or rebuilding All other materials and components, parts, containers, and supplies	X	112 301 869 549	X X X	
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	482 033	X	I
	336350, MOTOR VEHICLE TRANSMISSION & POWER TRAIN PARTS MFG				

NAICS	ee appendixes]	1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336350, MOTOR VEHICLE TRANSMISSION & POWER TRAIN PARTS MFG—Con.				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and				
33291207	pneumatic)	X	D	X X X	N N
33399501 33291203	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D D	X	N N
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	D D	X	N N
33637000 33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X	595 888 399 463	x x	N N
33200019 33210001	Other fabricated metal products, except fluid power and forgings.	X X	3 102 433 1 352 117	x x	N N N
33151001 33152005	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	×	2 590 475 1 533 356	X	N N
33152003 33120007	Other nonferrous castings (rough and semifinished)	x	267 904	x	Ň
33120017	metal products)	X	585 776 410 248	X	N N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	x	736 574	x	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	12 908	x	N
33100039 33100083	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	452 932	x	N
33299105	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Ball bearings (mounted or unmounted)	X X	48 202 213 531	X	N N
33299103	Roller bearings (mounted or unmounted)	x	368 526	x	N
32610011 32610013	Fabricated plastics products (except gaskets)	X	58 458	X	N
32521105	other snapes	X	8 596	X	N
32600017	etc. Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	28 456 27 288	X X X	N N
32622001 32500023	Rubber and plastics hose and belting. Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses).	X X	21 779 D	X	N N
32700035 33999103	Gramic and ceramic composite parts, components, and accessories Gaskets (all types), and packing and sealing devices	x X	D 113 884	x x	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	x	10 779	×	N
32552003	Glues and adhesives	x	30 636	x	N
00190003 32220015	Flexible packaging materials Paper and paperboard containers Engine electrical equipment, including spark plugs, magnetos, generators,	X	5 130 40 526	X	N N
33632200 001900B7	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and	x	129 922	×	N
00999826	other electronic components Core parts purchased for use in remanufacturing or rebuilding	X	111 482 632 526	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	2 097 317 841 046	X X X	N N
	336360, MOTOR VEHICLE SEATING & INTERIOR TRIM MFG				
31321013	Polyester broadwoven fabrics (piece goods)mil sq yd	94.8	194 830	Ŋ	N
31321003 31321009	Cotton broadwoven fabrics (piece goods)	D D	D D	N N	N N
31321021 31322103	Other broadwoven fabrics (piece goods)	S D	704 517 D	N N	N N
31311003 31332001 32521105	Plastics coated, impregnated, or laminated fabrics	S S	10 604 773 140	N N	N N
32610013	etc	S	382 127	N	N
332000AC	other shapes Metal stampings	X	181 899 404 315	×	N N
33200043	All other fabricated metal products (except castings and forgings)	X	488 145	x	N
33210001 33100035 33120017	Forgings	X X X	D 8 742	X X X	N N
33120017	Steel sheet and strip, including tin plate	X	15 577 114 331	x	N N
33131501 33100055	metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing. All other aluminum and aluminum-base alloy shapes and forms (except	X	17 584	Х	N
33100077	castings, forgings, and fabricated metal products)	X	420	X	N
32100025 32100031	fabricated metal products) Hardwood lumber, rough and dressed Softwood lumber, rough and dressed	X X X	8 501 D	X X X	N N N
00190097	Hardwood dimension and parts, including wood furniture frames	x	D	x	N
32121105 32121101	Hardwood veneer	X	- 834	X	N N
32121201 32121903	Softwood plywood	X	2 688 246	XX	N N
32121907 32121909	Medium density fiberboard (MDF)	X	D	X X X X X	N N
32613001 32619909	Plastics laminated sheets Plastics furniture parts and components Formed each better furniture parts and components	X	D 91 497	X	N N
32615000 32552001	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X X	353 127 D	X X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 970	x	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	57 960	X	Ņ
32221001 00970099	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X X X	78 239 2 189 129	X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	^	1 174 101	A 1	IN

	NAICS	ee appendixesj	1997		1992		
338770, MOTOR VEHICLE METAL STAMPING	material	Industry and materials consumed	O		O		
March Botts, materials, materia		226270 MOTOR VEHICLE METAL STAMPING	Quantity	(\$1,000)	Quantity	(\$1,000)	
Comment Comm	33272203						
The content of the	33200095	Other fabricated metal products (except forgings)	X	844 168	X	845 289	
Section Sect	33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 658	X	10 001	
State Stat	33210001 33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal				• •	
School from any or products Scho		Steel sheet and strip, including tin plate	98 982.2	6 096 450	P6 831.4	4 313 752	
All prior result discoses and forms (outcome), longings, and subscrated	33120025	Steel wire and wire products	X	34 093	X	32 438	
March Marc			71.1	27 120		11 210	
and lationated metals producted: 31319600 3131960000 3131960000 3131960000 3131960000 3131960000 3131960000 3131960000 3131960000 3131960000 31319600000 3131960000000000000000000000000000000000		metal products)	x	1 231 941	x	326 224	
39131600 Alementum and alternatural read active control of the production of the		and fabricated metal products)					
31,000 Other elastrinium and elastrinium-bases alloy stapees and from (except X 24,677 X 13,446 346,000 X 20,208 X 16,483 30,000 X 25,000 X 37,311 X 31,731 X 31		Aluminum and aluminum-base alloy extruded shapes, including extruded					
Section Sect	33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)					
Section Sect		fabricated metal products)	x	20 208	x	16 493	
Section Products		etc.	x	37 341	x	31 791	
Plastics products consumed in the form of sheets, rode, blues, film, and all and relapses \$25 \$57 \$22 \$107 \$22 \$107 \$22 \$107 \$22 \$107 \$22 \$107 \$22 \$107 \$22 \$2		products			×	16 322	
Paperhoard containers, boxes, and corrugated paperhoard X 55 744 X 56 741 X 57 20 X		Plastics products consumed in the form of sheets, rods, tubes, film, and					
	00001001						
Machine tools	32200007	Other paper and paperboard products			X		
Materials, ingredients, containers, and supplies, n.s.k.		machine tools			X		
Partigrantion corrupteacys, compressor units, condensing units, and other	00971000	Materials, ingredients, containers, and supplies, n.s.k.			â		
Past Transfer equipment		336391, MOTOR VEHICLE AIR-CONDITIONING MFG					
Sass1206	001900A6		x	465 873	x	N	
35831223 Fractional horsepower electric motors (less than 1 hp), except turing most horsepower electric motors and generators (1 hp or more). X 10 245 X N 10 245	33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp).					
193341200 Fars and blowers X 8 182 X N 1930 193		Fractional horsepower electric motors (less than 1 hp), except timing motors	x	D	x	N	
33393010 Current-carrying wiring devices X 58 811 X N N N N N N N N N	33341200	Fans and blowers	X	8 182	X	N	
Sasyanger Sasy	33593101	Current-carrying wiring devices	X	58 811	X	N	
Products	33299101	Ball and roller bearings (mounted or unmounted)	â		â		
Mate hardware, including hinges, handles, locks, casters, etc.	33272200		x	86 492	x	N	
Metal pipe, valves, and pipe fittings (except forgings)		Metal stampings			×		
Aluminum and aluminum-base alloy castings (rough and semifinished) X D X N	33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	9 738	X	N	
Aluminum and aluminum-base alloy castings (rough and semifinished) X D X N	33210001	Forgings	X	D	x x	N	
metal products	33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X		X	N	
33120025 Steel wire and wire products X		metal products)			x		
All other steel shapes and forms (except castings, forgings, and fabricated metal products) X	33120017	Steel sheet and strip, including tin plate	×	22 964	×	N	
Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products) X		All other steel shapes and forms (except castings, forgings, and fabricated					
All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products). X	33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and					
Saliant All uminum and aluminum-base alloy sheet, plate, foil, and welded tubing X N Saliant All uminum and aluminum-base alloy shapes and forms (except X N N N N N N N N N	33142143	All other copper and copper-base alloy shapes and forms (except castings,					
Castings, forgings, and fabricated metal products)		Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing					
Paper and paperboard containers, including shipping sacks and other paper packaging supplies. X 10 182 X N		castings, forgings, and fabricated metal products)			X	N	
32192003 Wooden containers, complete (including combination wood and paperboard) X 723 X N	32220017	Paper and paperboard containers, including shipping sacks and other paper					
Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products X 5 894 X N	32192003	Wooden containers, complete (including combination wood and					
Refrigerant gases and other synthetic organic chemicals X	32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied					
S2521105	0054000						
Section Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	32510027 32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids,					
32610007 Fabricated plastics products (except gaskets, hoses, and belting) X 65 925 X N 32622001 Rubber and plastics hose and belting X 51 978 X N 33999101 Gaskets (all types) and ashestos packing X D X N	32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and					
33999101 Gaskets (all types) and asbestos packing X D X N 32799301 Mineral wool insulation (fibrous glass, rock wool, etc.) X - X N 00970099 All other materials and components, parts, containers, and supplies X 427 730 X N 00971000 Materials, ingredients, containers, and supplies, n.s.k X 22 726 X N	32610007 32622001	Fabricated plastics products (except gaskets, hoses, and belting)	X	65 925	$\hat{\mathbf{x}}$	N	
00970099 All other materials and components, parts, containers, and supplies	33999101 32799301	Gaskets (all types) and asbestos packing	X	D -	X	N N	
		All other materials and components, parts, containers, and supplies	X	427 730 22 726	X	N N	

NAICS	е арренилес)	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336399, ALL OTHER MOTOR VEHICLE PARTS MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic).	x	D	x	N
33399501 33399901	pneumatic)'. Fluid power cylinders and rotary actuators (hydraulic and pneumatic). Fluid power filters (hydraulic and pneumatic). Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic).	X X X	D D	X	N N
33291203 33291207	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic) Fluid power valves (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	X	D D	X X X X X	N N
00190089 33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	D		N
33151001 33152005	products Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	294 452 410 285 265 903	X X X	N N N
33152003	Other nonferrous castings (rough and semifinished)	â	121 146	â	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	362 019	X	N
33120017 33120033	Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	1 579 737 493 677	X X	N N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	317 355	×	N
33299105 33299103	Ball bearings (mounted or unmounted)	X	52 528 13 359	X	N N
32610011 32622001	Fabricated plastics products (except gaskets) Rubber and plastics hose and belting Automotive stampings (including body parts, hubcaps, fenders, etc.)	X X	483 283 84 089	X	N N
33637000 33200019	Automotive stampings (including body parts, hubcaps, fenders, etc.) Other fabricated metal products, except fluid power and forgings	X	996 756 866 492	X	N N
33210001	Forgings	X	216 285	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	76 331	х	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	675 213	х	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	117 204	x	N
32610013 32521105	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	202 362	x	N
32600017	etc. Fabricated rubber products, except tires, tubes, hose, belting, and gaskets.	X X	469 727 69 524	X X	N N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	x	127 186	х	N
32700035 33999103	Ceramic and ceramic composite parts, components, and accessories	X X	255 029 110 120	X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	x	165 134	×	N
32552003 00190003	Glues and adhesives	X X	36 806 32 962	X X X	N N
32220015 001900B7	Flexible packaging materials Paper and paperboard containers Resistors, capacitors, transformers, electron tubes, semiconductors, and	X	274 878	Х	N
00999826	other electronic components Core parts purchased for use in remanufacturing or rebuilding	X X	135 826 442 937	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	4 713 509 3 610 719	X	N N
	336411, AIRCRAFT MFG				
33641201 33641203	Aircraft engines	X X	D 73 075	X	N N
33641303 33641305	Structural fuselage components, excluding instruments	X	D D	X	N N
33641307 33641309	Structural wing components, excluding instruments	X X	D D	X	N N
33641311 33641301	Other structural components (airframe), including engine mounts, excluding instruments	X	794 688 37 804	X	N 45 002
33636005 33422003	Aircraft seats	â	12 904	â	8 673
	transmitters and receivers (microwave, UHF, VHF, etc.)	X	D	X	655 769
33451103 001900D5	Navigational systems and equipment (NAV AIDS) Search, detection, tracking, and electronic communication systems and	X	138 054	X	254 100
33400025	equipment (RADAR, SOÑAR, Optical) Flight, navigational, airframe, and engine indicators, instruments, and	X X	D D	X X	N N
001900B7	clusters, including sensors, displays, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	×	119 075	X	285 290
00190070 00190071	Resin matrix composits . Other matrix composites, including ceramic, carbon, metal, etc.	X X	34 070 145 086	X X X	D 41 595
33291209 33399601	Complete mechanical, hydraulic and pneumatic subassemblies	Х	D		163 948
33291201	pneumatic) Fluid power valves (except complete assemblies) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X X X	149 611 147 309
33291203 33399503	Fluid power nose or tube fittings and assemblies (nydraulic and pneumatic) Fluid power cylinders and rotary actuators (except complete assemblies)	X X	D D	X	101 391 154 689
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic)	x x	D 126 634	x x	N N
33299101 33351503	Ball and roller bearings (mounted or unmounted)	X X	52 924 D	X X	D D
33251015 33272203	Cutting tools for machine tools. Aircraft metal hardware (except forgings) Metal bolts, nuts, screws, washers, rivets, and other screw machine	х	D	X	215 681
33200009	products	X	D 168 799	X	N N
33211101 33211203	Iron and steel forgings	X	8 313 8 469	X	D D
33211205 33210003	Titanium and titanium-base alloy forgings	X X	D 26 808	X X	D D
33151001 33152005	Iron and steel castings (rough and semifinished)	X X	D 4 219	X	D D
33152003 33120007	Other nonferrous castings (rough and semifinished)	Х	D	Х	21 240
33120017	metal products)	X	13 846 30 375	XX	N N

NAICS		1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336411, AIRCRAFT MFG—Con.				
33120033	All other steel shapes and forms (except castings, forgings, and fabricated	v	D	×	N
33131501 33100055	metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing. All other aluminum and aluminum-base alloy shapes and forms (except	X	152 178	X	268 133
33142111	castings, forgings, and fabricated metal products)	X	D	X	54 362
33149101	and fabricated metal products) Titanium and titanium-base alloy shapes and forms (except castings,	X X	D D	X X	D D
33100065	forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	D	x	D
32551003	fabricated metal products) Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products		56 569	x	32 072
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	5 174 430 7 342 173	X	8 760 131 2 327 185
	336412, AIRCRAFT ENGINE & ENGINE PARTS MFG		242.242		-
33641201 33641203 00190071	Aircraft engines Aircraft engine parts (except instruments) Other matrix composites, including ceramic, carbon, metal, etc.	X X X X X	249 248 5 174 339 16 014	X X X X X	D 4 353 141 24 114
33291209 33299101	Complete mechanical, hydraulic and pneumatic subassemblies	x x	20 606 24 151	x x	7 271 D
33351503 33251015	Ball and roller bearings (mounted or unmounted) Cutting tools for machine tools. Aircraft metal hardware (except forgings)	X	16 270 181 081	X	D 104 449
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	29 104	X	65 801
33200009 33211101	Other fabricated metal products, except fluid power and forgings	X X X	51 984 185 520	X X	69 701 128 105
33211203 33211205	Aluminum and aluminum-base alloy forgings Titanium and titanium-base alloy forgings	X	19 800 114 733	X	N 137 539
33210003 33151001 33152005	Aluminum and aluminum-base alloy forgings Titanium and titanium-base alloy forgings Other forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X X	58 714 223 091 28 193	X X X X	N 103 551 71 383
33152003 33152003 33120007	Other nonferrous castings (rough and semifinished) Steel bars, bar shapes, and plates (except castings, forgings, and fabricated		77 723		202 102
33120017	metal products)	X	110 184 48 063	X	53 719 22 046
33120033 33131501	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	10 883 9 733	X	18 198 5 015
33100055	All other aluminum and aluminum-base allov shapes and forms (except	^	9 733	^	5 015
33142111	castings, forgings, and fabricated metal products)	X	1 391	X	13 583
33149101	and fabricated metal products) Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X X	230 21 724	X X	N 28 853
33100065	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	32 263	x	20 655 N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products		2 317	X	912
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	527 787 2 024 014	X	D D
	336413, OTHER AIRCRAFT PART & AUXILIARY EQUIPMENT MFG				
33641201 33641203	Aircraft engines	X	3 663 48 951	X	N N
33641303 33641305	Aircraft engine parts (except instruments) Structural fuselage components, excluding instruments Structural empennage (tail) components, excluding instruments	X X X X	D 38 334	X X X X	N N
33641307 33641309	Structural wing components, excluding instruments Structural landing gear components Other structural components (airframe), including engine mounts, excluding	X	84 242 D	X	N N
33641311 33641301	Other structural components (airrame), including engine mounts, excluding instruments Aircraft propellers and parts thereof	X X X	314 576 D	X X X	N N
33636005 33422003	Aircraft seats Radio communication systems and equipment, including airborne	â	1 546	â	N
33451103	transmitters and receivers (microwave, UHF, VHF, etc.)	X X	D D	X X	N N
001900D5	Navigational systems and equipment (NAV AIDS) Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical) Flight, navigational, airframe, and engine indicators, instruments, and	X	_	x	N
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and	х	8 500	х	N
001900B7	other electronic components	X	97 274 122 203	×	N N
00190070 00190071 33291209	Resin matrix composits Other matrix composites, including ceramic, carbon, metal, etc. Complete mechanical, hydraulic and pneumatic subassemblies	X X X	209 836 201 883	X X X	N N N
33399601	Fluid nower numbs, motors, and hydrostatic transmissions (hydraulic and		4 245	x	N
33291201 33291203	pneumatic). Fluid power valves (except complete assemblies) Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic).	X X X	9 546 2 268	X	N N
33399503 33399901	Fluid power cylinders and rotary actuators (except complete assemblies)	X	3 834 580	X	N N
00190089 33299101	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Ball and roller bearings (mounted or unmounted)	X X X X	2 072 27 070	X X X X	N N
33351503 33251015 33272203	Cutting tools for machine tools. Aircraft metal hardware (except forgings) Metal bolts, nuts, screws, washers, rivets, and other screw machine	X	59 073 1 267 701	X	N N
33200009	products	X	221 505 213 584	X	N N
33211101 33211203	Iron and steel forgings	X X X	63 780 103 646	X X X	N N
33211205 33210003	Titanium and titanium-base alloy forgings	X	45 528 20 485	X	N N
33151001 33152005	Iron and steel castings (rough and semifinished)	X X X X	41 540 66 701	X X X X	N N
33152003	Other nonferrous castings (rough and semifinished)	x	14 769	x	N

NAICS		1997	,	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336413, OTHER AIRCRAFT PART & AUXILIARY EQUIPMENT MFG — Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated				
33120017	metal products) Steel sheet and strip, including tin plate	X	56 607 25 617	X	N
33120033 33131501	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	8 068 275 751	X	N N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	80 843	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	1 009	х	N
33149101 33100065	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and	х	52 670	Х	N
32551003	fabricated metal products)	Х	8 011	Х	N
00970099	products All other materials and components, parts, containers, and supplies	X X X	43 091 1 286 546 715 759	X X X	, ,
J0971000	336414, GUIDED MISSILE & SPACE VEHICLE MFG	^	715 759	^	V
33641503 33641501	Guided missile and space vehicle engines and parts Guided missile and space vehicle propulsion units and parts	X	400 143 D	X X	620 965 D
33641900 33422003	Guided missile and space vehicle airframe parts	X	D	X	Ď
33451103	transmitters and receivers (microwave, UHF, VHF, etc.) Navigational systems and equipment (NAV AIDS) Search, detection, tracking, and electronic communication systems and	X	D D	X	N
001900D5 33400025	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical) Flight, navigational, airframe, and engine indicators, instruments, and	х	D	х	N
001900B7	clusters, including sensors, displays, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and	Х	D	Х	Ν
00190070	other electronic components Resin matrix composites Other matrix composites, including ceramic, carbon, metal, etc.	X X X	D	X	D 110
00190071 33291209	Complete mechanical, hydraulic and pneumatic subassemblies		D 16 300	X X	8 413 77 066
00190090 33272203	Fluid power products	X	6 978	X	26 550
33200063 33211101	products	X X X X X	D D D	X X X X X	13 263 E E
33211201 33151001	Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished)	x x	D	x x	
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D -	X	N
33100033 32500045	Metal shapes and forms, except castings, forgings, and fabricated metal products.	X	D D	X X	12 689 D
33510000	Chemicals, all types (including propellants). Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools		D	x	
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	824 554 1 724 970	X	1 654 250 786 802
	336415, GUIDED MISSILE & SPACE VEHICLE PROPULSION UNIT & PARTS MFG				
33641503	Guided missile and space vehicle engines and parts	X	153 060	X	N N
33641501 33641900 33422003	Guided missile and space vehicle propulsion units and parts Guided missile and space vehicle airframe parts Radio communication systems and equipment, including airborne	X X	494 364	X X	N
33451103	transmitters and receivers (microwave, UHF, VHF, etc.) Navigational systems and equipment (NAV AIDS)	X	_	X	N
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	х	_	х	N
33400025 001900B7	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc. Resistors, capacitors, transformers, electron tubes, semiconductors, and	х	D	Х	С
00190070	other electronic components Resin matrix composits	X X X	D D	X X	5 406 E
00190071 33291209	Other matrix composites, including ceramic, carbon, metal, etc		D 5 703	X X	0
00190090 33272203	Fluid power products	X	4 195	â	Č
33200063	products	X	D 17 085	X	5 685 59 518
33211101 33211201 33151001	Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X X X	1 573 6 088 D	X X X X X	5 979
33152005 33152003	Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	x X	D 4 540	X	2 025 2 439
33100033	products	X	3 471	X	9 503
32500045 33510000	Chemicals, all types (including propellants). Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools		D D	X X	7 213
00970099 00971000	Materials, ingredients, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	187 669 18 133	X X	367 839 798 632
	336419, OTHER GUIDED MISSILE & SPACE VEHICLE PARTS & AUXILIARY EQUIP MFG				
33641503 33641501	Guided missile and space vehicle engines and parts	X X X	- -	X X X	3 123 D
33641900 33422003	Guided missile and space vehicle airframe parts		D		D 5.000
3451103 01900D5	transmitters and receivers (microwave, UHF, VHF, etc.) Navigational systems and equipment (NAV AIDS) Search, detection, tracking, and electronic communication systems and	X	D	X	5 029 26 941
	equipment (RADAR, SONAR, Optical)	x	_	x	23 388

of terms, so			7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336419, OTHER GUIDED MISSILE & SPACE VEHICLE PARTS & AUXILIARY EQUIP MFG—Con.				
33400025 001900B7	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc	x	D	x	2 771
00190070 00190071	other electronic components Resin matrix composites Other matrix composites, including ceramic, carbon, metal, etc.	X X X	D D D	X X X	D N N
33291209 00190090 33272203	Complete mechanical, hydraulic and pneumatic subassemblies Fluid power products Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X	D D 1 164	X X X	D D 4 323
33200063 33211101 33211201	Other fabricated metal products (except fluid power products and forgings)	X X X	16 132 1 579 D	X X X	11 819 N N
33151001 33152005 33152003	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished) Other nonferrous castings (rough and semifinished)	X X X	D D D	X X X	D D 46
33100033 32500045 33510000	Metal shapes and forms, except castings, forgings, and fabricated metal products. Chemicals, all types (including propellants). Special dies, tools, die sets, jigs, and fixtures, except cutting tools for	×	D D	X	D 1 082
00970099 00971000	machine tools All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	D 93 679 34 194	X X X	D 86 033 211 278
	336510, RAILROAD ROLLING STOCK MFG				
33272203 00190090	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	67 945 89 618	X	N N
33210001 33200063 33151001	Forgings. Other fabricated metal products (except fluid power products and forgings)	X X X	377 128 496 475 357 545	X X X X	N N N
33120007 33120017 33120019	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate. Steel structural shapes and sheet piling (except castings, forgings, and	××	385 851 157 982	X	N N
33120091	fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	102 899 112 914	X X	N N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	96 777	x	N
33152011 33299103	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) Roller bearings (mounted or unmounted)	X	22 405 107 369	X	N N
33361301 33361200 33531303 33651000	Plain bearings and bushings Mechanical speed changers, gears, and industrial high-speed drives Railway electrical control equipment. Brake equipment, truck assemblies, hooks and other coupling devices,	X X X	62 459 52 441 386 169	X X X	N N N
00970099 00971000	buffers, and parts All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	573 466 908 595 465 033	X X X	N N N
	336611, SHIP BUILDING & REPAIRING				
33361811 33361105 33531221 33632200	Diesel and semidiesel engines. Steam engines and turbines Integral horsepower electric motors and generators (1 hp or more) Engine electrical equipment, including spark plugs, magnetos, generators,	X X X	128 993 117 033 45 305	X X X	96 980 N 76 454
33361200 33531415	starters, etc. Mechanical speed changers, gears, and industrial high-speed drives Industrial controls	X X X	68 888 94 519 46 664	X X X	67 930 88 606 N
33399601 33291207 33399501 33291203	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X X X	36 148 71 486 2 636 54 256	X X X	27 475 54 546 1 809 35 224
33399901 00190089	Fluid power filters (hydraulic and pneumatic) Other fluid power products (hydraulic and pneumatic) Fabricated structural metal for ships and barges (except forgings).	X X	D D	X X X	11 791 18 721
33231203 332000A7 33272203	Fabricated structural metal for ships and barges (except forgings) Metal boilers, condensers, and parts thereof (except forgings) Metal boilts, nuts, screws, washers, rivets, and other screw machine products	X X X	55 632 5 627 24 697		113 456 11 396 41 752
33200055 33210001 33100035	Other fabricated metal products (except fluid power products and forgings)	X X X	73 146 12 811 39 492	X X X	23 739 4 062 20 705
33120007 33120017	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products). Steel sheet and strip, including tin plate	××	366 340 27 482	X	281 295 26 135
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products) All other steel shapes and forms (except castings, forgings, and fabricated	х	56 754	x	64 525
33120091 33131501	metal products)	X	17 415 25 183	X X	24 849 15 873
33100057 33100077	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products). Other nonferrous shapes and forms (except castings, forgings, and	х	5 829	х	3 033
33300077	fabricated metal products)	х	25 322	X	26 893
32551003	derricks, and capstans	X	44 574	X	42 873
32100021 00970099 00971000	products Dressed lumber All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	53 066 9 761 1 615 600 658 400	X X X	61 082 12 604 1 425 077 705 420

NAICS	е арренилес)	19	97	199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336612, BOAT BUILDING				
33361811 33361807	Diesel and semidiesel engines	X X X	117 573 665 814	X	N N
33531221 00190088	Gasoline and other internal combustion engines Integral horsepower electric motors and generators (1 hp or more) Boat propellers	X	57 985 22 986	X X X	N N
33251013	Marine metal hardware (including shackles, rope shackles, rope sockets, tackle blocks) (except forgings)	X	70 383	x	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	23 590	x	N
33200061 33210001	Other fabricated metal products (except forgings) Forgings	X	45 863 2 605	X	N N
33100035 33120001	Castings (rough and semifinished)	Х	6 989	X	N
	products)	Х	10 327	X	N
33131501 33131600	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	57 945	X	N
33100049	rod, bar, pipe, tube, etc. Other aluminum and aluminum-base alloy shapes and forms (except	X	34 796	X	N
33100077	castings, forgings, and fabricated metal products)	X	37 361	X	N
32521105	fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	1 712	X	N
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes.	X	129 970 68 450	X	N N
32721205 32100021	Glass fiber, textile type, bonded mat type, etc. Dressed lumber	x X	115 839 37 129	X X X	N N
32121003 31411003	Plywood Carpeting	x x	62 126 29 020	x x	N N
31491200	Canvas products.	X	29 479	×	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	Х	28 144	x	N
33451101 33391105	Marine nautical and navigation equipment operating by radio signal Bilge pumps.	X	45 965 11 281	XX	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	732 931 525 399	X	N N
	336991, MOTORCYCLE, BICYCLE, & PARTS MFG				
33699101	Frames, forks, and parts thereof, bicycle	х	92 282	x	N
33699103 33699109	Wheel rims and spokes, bicycle	X	33 678 15 672	X	N N
32621003 33699115	Pneumatic tires and inner tubes Other bicycle parts	X	49 593 143 96 <u>3</u>	X	N N
33200081 33210001	Fabricated metal products (except forgings) Forgings	X	D	X	N N
33100035 33100033	Castings (rough and semifinished)	X	D	X	N
00970099 00971000	products	X X X	D 245 494 237 200	X X X	N N N
00971000	336992, MILITARY ARMORED VEHICLE, TANK, & TANK	^	237 200		IN
33272203	COMPONENT MFG Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33200095	products Other fabricated metal products (except forgings)	×	15 426 165 166	X	N N
33151001 33152005	Iron and steel castings (rough and semifinished) Aluminum and aluminum-base alloy castings (rough and semifinished)	x x	3 756 D	X X X	N N
33152003 33211101	Other nonferrous castings (rough and semifinished)	X	D D	X	N N
33211203 33211207	Aluminum and aluminum-base alloy forgings	X	D _	X	N N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	х	D	x	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	D	x	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	D	x	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	-	x	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	126 848 34 795	X	N N
	336999, ALL OTHER TRANSPORTATION EQUIPMENT MFG				
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts	x	199 528	x	N
33361801 32621003	Internal combustion engines, gasoline Pneumatic tires and inner tubes	X	592 957 47 970	X	N N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	Х	207 712	x	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	х	60 354	x	N
33200081 33210001	Fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X	188 360 18 485	X	N N
33100035 33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated	X	56 456	X	N
33120017	metal products)	X	51 925 84 254	X	N N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	Х	86 293	x	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	30 948	×	N N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	30 948	×	N N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	6 773	×	N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies n.s.k	x x	689 908 262 390	x x	N N

NAICS	е арренилес)	199	97	1992	2
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337110, WOOD KITCHEN CABINET & COUNTER TOP MFG				
32191203 32121105 32121101	Hardwood cut stock and dimension, excluding furniture frames Hardwood veneer	× × × × × ×	308 585 60 639 179 245	x x x x x	N N N
32121101 32121201 32121903	Hardwood plywood. Softwood plywood Particleboard (wood)	ŝ	26 774 352 053	â	N N N
32121903 32121909 32121907	Hardboard Medium density fiberboard (MDF)	x x	32 033 32 074 46 675	Ŷ	N N
32221001 33120083	Paperboard containers, boxes, and corrugated paperboard	â	82 734	x	Ň
32100025	metal products)	X X	D 386 383	X	N N
32100031 32721101	Softwood lumber, rough and dressed	X X X	23 635 D	X X X	N N
32552001 33251001	Adhesives and sealants Furniture and builders' hardware, including cabinet hardware, casters,	â	38 075	â	N
32610017	glides, handles, hinges, locks, etc. Plastics parts, components, sheets, and other shapes (excluding plastics	X	204 408	X	N
00970099	resins)	X X X	130 993 379 964	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 273 583	X	N
	337121, UPHOLSTERED HOUSEHOLD FURNITURE MFG				
32100025 32100031	Hardwood lumber, rough and dressed	X	142 492 54 175	X	N N
32191203 33721500	Hardwood cut stock and dimension, excluding furniture frames Furniture frames, wood	X X X X	96 311 381 538	X X X X	N N
31321007 31321011	Woven cotton upholstery fabrics, excluding ticking		355 785		N
31499901 31332007	ticking Paddings, battings, and fillings, except rubber and plastics foam	X X X	501 040 202 468 372 987	X X X	N N N
33261200 33251001	Springs, innerspring units, and box spring constructions Furniture and builders' hardware, including cabinet hardware, casters,	â	108 283	â	N
00201001	glides, handles, hinges, locks, etc.	x	142 651	Х	N
33251007 32600001	Constructions (sleeper mechanisms) for dual purpose sleep furniture	X	73 128 49 215	X	N N
32615000 00970099	Formed and slab stock for pillows, cushions, seating, etc. (urethane) All other materials and components, parts, containers, and supplies	X X X X	444 590 553 779	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	622 087	X	N
	337122, NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MFG				
32100025	Hardwood lumber, rough and dressed Softwood lumber, rough and dressed Hardwood cut stock and dimension, excluding furniture frames	X	696 621	×	N N
32100031 32191203 32121201	Hardwood cut stock and dimension, excluding furniture frames	ŝ	175 670 286 361 38 876	â	N N
32121101 32121105	Hardwood bywood Hardwood veneer	X	133 713 143 269	X	N N
32121903 32121907	Softwood plywood Hardwood plywood Hardwood veneer Particleboard (wood) Medium density fiberboard (MDF) Hardboard	x x x x x x x	341 775 136 458	x x x x x x	N N N N N N
32121909 33721500	Hardboard Furniture frames, wood	X X	37 568 239 502	X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	х	149 355	х	N
32552001 32521105	Adhesives and sealants	X	30 345	X	N
32610017	etc	X	12 253	X	N
32721101 32721503	resins) Presing the state of th	X X X X	44 735 61 260 58 076	X X X	N N N
31320027 33251001	Fabrics, all types. Furniture and builders' hardware, including cabinet hardware, casters,	â	80 043	â	N
32221001	glides, handles, hinges, locks, etc. Paperboard containers, boxes, and corrugated paperboard	×	332 687 244 648	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	640 247 778 914	X X X	N N N
	337124, METAL HOUSEHOLD FURNITURE MFG				
332000AC 332000AA	Metal stampings	X X X	7 611 71 753	X X X	8 379 52 859
33120017 33120083	Steel sheet and strip, including fin plate All other steel shapes and forms (except castings, forgings, and fabricated	â	37 869	x	42 244
33131501	metal products)	X X	94 034 48 164	X	83 619 39 276
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	47 952	x	21 252
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	47 712	X	49 219
00190097 32121903 32721101	Hardwood dimension and parts, including wood furniture frames	X X X X	40 900 23 148 14 561	X X X	40 077 13 242 18 071
31332007 32551003	Coated or laminated fabrics, including vinyl coated	X	52 034	X	50 055
33251001	products Furniture and builders' hardware, including cabinet hardware, casters,	X	21 402 38 539	X X	18 762 32 563
32221001 00970099	glides, handles, hinges, locks, etc. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X X X	61 615 241 498	X X X	32 563 44 568 N
00971009	Materials, ingredients, containers, and supplies, n.s.k.	â l	185 450	χ̂	116 292

NAICS		1997		199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337125, HOUSEHOLD FURNITURE (EXCEPT WOOD & METAL) MFG				
32100025 32100031 32191203 32121201 32121101 32121105 32121903 32121907 32121909 33721500	Hardwood lumber, rough and dressed Softwood lumber, rough and dressed Hardwood cut stock and dimension, excluding furniture frames Softwood plywood Hardwood plywood Hardwood veneer Particleboard (wood) Medium density fiberboard (MDF) Hardboard Furniture frames, wood	X X X X X X X X	1 669 D D 95 681 D 721 D 0 8 456	x x x x x x x x x	444 D D D D D D D D D D D D D D D D D D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	4 391	X	5 514
32552001 32521105	Adhesives and sealants Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X X	D 112 443	X X	328 102 950
32610017 32721101 32721503 31320027 33251001	Plastics parts, components, sheets, and other shapes (excluding plastics resins). Flat glass (plate, float, and sheet) Mirrors, framed and unframed Fabrics, all types Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X X X	8 268 795 D 4 368 4 929	X X X X	5 217 914 54 2 258 645
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	9 887 31 050 49 208	X X X	15 201 41 287 48 115
	337127, INSTITUTIONAL FURNITURE MFG				
332000AC 33200043 33210001 33100035 33120017 33120083	Metal stampings All other fabricated metal products (except castings and forgings) Forgings Castings (rough and semifinished) Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated	X X X X	28 788 26 737 2 216 15 101 142 453	X X X X	N N N N
33131501 33100055	metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except	X	69 100 18 599	XX	N N
33100077	castings, forgings, and fabricated metal products)	X X	40 699 3 797	X X	N N
32100025	fabricated metal products) Hardwood lumber, rough and dressed	Х	126 520	X	N
32100031 00190097 32121105 32121101 32121201 32121903 32121907 32121909 32613001 32619909	Softwood lumber, rough and dressed Hardwood dimension and parts, including wood furniture frames Hardwood veneer Hardwood plywood Softwood plywood Particleboard (wood) Medium density fiberboard (MDF) Hardboard Plastics laminated sheets Plastics furniture parts and components	X X X X X X X X	7 788 27 289 12 604 41 997 11 107 34 052 9 972 6 962 53 948 81 085	X X X X X X X	N N N N N N N N N N N N N N N N N N N
32615000 31332007 31321019 32721101 32552001 32551003	Formed and slab stock for pillows, cushions, seating, etc. (urethane) Coated or laminated fabrics, including vinyl coated Uncoated broadwoven fabrics for upholstery Flat glass (plate, float, and sheet) Adhesives and sealants Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X X X X	25 035 22 367 18 501 2 239 9 951	X X X X	N N N N
33251001	products Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X X	28 478 100 911	X X	N N
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. 337129, WOOD TELEVISION, RADIO, & SEWING MACHINE	X X X	39 658 257 526 359 591	X X X	N N N
0040000	CABINET MFG	v	44.405		40.004
32100025 32100031 32191203 32121201 32121101 32121105 32121903 32121907 32121909 33721500	Hardwood lumber, rough and dressed Softwood lumber, rough and dressed Hardwood cut stock and dimension, excluding furniture frames Softwood plywood Hardwood plywood Hardwood veneer Particleboard (wood) Medium density fiberboard (MDF) Hardboard Furniture frames, wood	X X X X X X X	14 465 D 5 130 383 2 055 11 839 10 741 16 874 650 D	X X X X X X X	12 264 D D 521 5 979 1 204 16 459 7 874 D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X X	6 600	X	4 904 1 271
32552001 32521105	Adhesives and sealants Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	740 D	X	1 2/1 D
32610017 32721101 32721503 31320027	Plastics parts, components, sheets, and other shapes (excluding plastics resins) Flat glass (plate, float, and sheet) Mirrors, framed and unframed Fabrics, all types.	X X X X	3 276 1 222 28 177	X X X	4 154 1 675 D 1 519
33251001 32221001 00970099 00971000	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	14 025 13 764 18 262 28 329	X X X X	13 369 13 715 7 138 24 728

NAICS	е арренилес)	1997		199	92
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337211, WOOD OFFICE FURNITURE MFG				
332000AC 33200043	Metal stampings	X X X	7 982 9 918	X X X	4 094 9 864
33210001 33100035 33120017 33120083	Forgings. Castings (rough and semifinished) Steel sheet and strip, including tin plate. All other steel shapes and forms (except castings, forgings, and fabricated	Х	2 213 24 238	X	184 350 4 035
33131501 33100055	metal products). Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X X	20 321 962 D	X X X	4 983 Z 850
33100077	castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Hardwood lumber, rough and dressed	××	D	X	D
32100025 32100031		X	60 621 3 667		53 315 5 263
00190097 32121105	Softwood lumber, rough and dressed Hardwood dimension and parts, including wood furniture frames	X X	89 750 36 168	X X X X X X X	51 347 33 544
32121101 32121201	Hardwood plywood	X X X X X X	76 419 2 520	X	41 240 D
32121903 32121907 32121909	Particleboard (wood) Medium density fiberboard (MDF) Hardboard	×	111 017 24 626 26 893	X	45 845 5 850 8 542
32613001 32619909	Plastics laminated sheets Plastics furniture parts and components	X X	35 527 31 247	x x	26 566 8 908
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	Х	14 213	x	8 674
31332007 31321019 32721101	Coated or laminated fabrics, including vinyl coated Uncoated broadwoven fabrics for upholstery Flat glass (plate, float, and sheet)	X X X	31 198 29 139 1 196	X X X	13 407 22 991 1 233
32552001 32551003	Adhesives and sealants Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	â	7 374	â	3 123
33251001	products	Х	34 045	X	17 163
32221001	glides, handles, hinges, locks, etc	X	104 847 51 992	X	60 258 26 930
00970099 00971000	All other materials and components, parts, containers, and supplies	X	104 205 230 946	X	60 645 174 398
	337212, CUSTOM ARCHITECTURAL WOODWORK & MILLWORK MFG				
332000AC 33200043	Metal stampings	X X X	648 9 184	X	N N
33210001 33100035	Forgings	X	D D	X	N N
33120017 33120083	Steel sheet and strip, including tin plate All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X X	2 140 2 227	X X	N N
33131501 33100055	All other aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except	â	309	â	N
33100077	castings, forgings, and fabricated metal products)	Х	4 597	X	N
32100025	fabricated metal products) Hardwood lumber, rough and dressed	X	843 73 012	X	N N
32100031 00190097	Softwood lumber, rough and dressed	X X	7 761 5 912	X X	N N
32121105 32121101	Hardwood veneer Hardwood plywood Softwood plywood Particleboard (wood) Medium density fiberboard (MDF) Hardboard	X	16 936 42 453	X	N N
32121201 32121903 32121907	Softwood plywood Particleboard (wood) Medium density filesthoord (MDE)	X	8 407 43 867 28 976	X	N N
32121907 32121909 32613001	Hardboard Plastics laminated sheets	x x x x x x x	5 264 35 170	X X X X X X X	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
32619909	Plastics furniture parts and components		9 125		
32615000 31332007	Formed and slab stock for pillows, cushions, seating, etc. (urethane) Coated or laminated fabrics, including vinyl coated Uncoated broadwoven fabrics for upholstery	X	1 004 3 150 2 218	×	N N N
31321019 32721101 32552001	Flat glass (plate, float, and sheet) Adhesives and sealants	X X X	11 965 4 114	X X X	N N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	10 901	x	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	32 711	X	Ņ
32221001 00970099 00971000	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X X	5 712 124 212 169 610	X X X	N N N
00371000	337214, OFFICE FURNITURE (EXCEPT WOOD) MFG	^	103 010	^	14
332000AC 33200043	Metal stampings All other fabricated metal products (except castings and forgings)	X X	136 023 116 539	××	D 41 228
33210001 33100035	Forgings	X X X X	D 24 280	X X X	D 17 388
33120017 33120083	Steel sheet and strip, including tin plate		478 243	×	323 420
33131501 33100055	metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except	X	72 954 15 138	XX	62 987 10 150
33100077	castings, forgings, and fabricated metal products) Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X X	44 872 D	X X	31 526 D
32100025	fabricated metal products) Hardwood lumber, rough and dressed	X	26 837	X	26 002
32100031 00190097	Softwood lumber, rough and dressed	X	1 789 D	X	3 059 121 205
32121105 32121101 32121201	Hardwood veneer Hardwood plywood. Softwood plywood	x x x x x x x x	36 470 8 787 3 923	X X X X X X	7 330 8 870 4 354
32121201 32121903 32121907	Sortwood piywood Particleboard (wood) Medium density filberboard (MDF)	X X Y	107 028 16 213		4 354 23 639 D
32121909 32613001	Hardboard	X X	19 535 79 980		10 742 28 196
32619909	Plastics furniture parts and components	Х	274 528	ı xl	100 227

NAICS		1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337214, OFFICE FURNITURE (EXCEPT WOOD) MFG—Con.				
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	36 516	X	48 371
31332007 31321019	Coated or laminated fabrics, including vinyl coated Uncoated broadwoven fabrics for upholstery Flat glass (plate, float, and sheet)	X X X X	121 921 116 181	X X X	189 753 209 504
32721101 32552001	Adhesives and sealants	X	2 414 19 589	X	1 533 8 263
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	x	87 048	x	62 975
33251001	Furniture and builders' hardware, including cabinet hardware, casters.		236 081		147 691
32221001 00970099	glides, handles, hinges, locks, etc. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies.	X X X	141 866 366 164	X X X	84 958 221 867
00971000	Materials, ingredients, containers, and supplies n.s.k.	â	354 967	â	277 905
	337215, SHOWCASE, PARTITION, SHELVING, & LOCKER MFG				
332000AC	Metal stampings	X	66 362	X	N N
33200043 33210001	All other fabricated metal products (except castings and forgings) Forgings Castings (rough and semifinished)	X X X X	133 538 4 587	X X X X	N
33100035 33120017	Steel sheet and strip, including tin plate	X	5 089 568 876	X	N N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated	x	150 831	x	N
33131501 33100055	metal products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing All other aluminum and aluminum-base alloy shapes and forms (except	X	35 808	X	N
	castings, forgings, and fabricated metal products)	x	36 687	x	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Hardwood lumber, rough and dressed	X	4 543	X	N
32100025			96 011		N
32100031 00190097	Softwood lumber, rough and dressed	X X X X X X X	29 852 24 704	X X X X X X X	N N
32121105 32121101	Hardwood veneer Hardwood plywood Softwood plywood	X	11 021 53 304	X	N N
32121201 32121903	Softwood plywood	X	23 274 99 672	X	N N
32121907	Particleboard (wood) Medium density fiberboard (MDF)	χ̈́	45 967	χ̈́	N
32121909 32613001	Hardboard	X	23 608 75 517	X	N N
32619909	Plastics furniture parts and components		33 353		N
32615000 31332007	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X X X X	1 195 3 081	X X X X	N N
1321019 2721101	Coated or laminated fabrics, including vinyl coated	X	4 066 14 821	X	N N
32552001 32551003	Adhesives and sealants Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	X	10 737	X	N
	products	х	81 968	X	N
3251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	73 811	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies	X X X	90 811 404 084	X X X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	^	752 857	^	N
00190097 32610013	Hardwood dimension and parts, including wood furniture frames	х	75 787	х	N
33100001	other shapes Metal mill shapes and forms, including castings (steel, aluminum, etc.)	X	35 925 18 433	X	N N
33261200	Springs, innerspring units, and box spring constructions	X X X X	471 477	X X X X	N
33251007 32600001	Constructions (sleeper mechanisms) for dual purpose sleep furniture	X	7 479 63 718	X	N N
31320011	Woven upholstery fabrics (cotton, nylon, polyester, rayon, etc.), excluding ticking	X	43 326	x	N
31321005 00190047	ticking Ticking (mattress). Cotton linters and cotton waste	X	256 731 20 848	X X	N
32600059	Cotton linters and cotton waste	X	207 472	X	Ň
00190048 00190049	Cotton felt filling materials, purchased premade Insulators, all types, except cotton felt, purchased premade	X X X	18 436 56 225	X X X	N N
00190044	Other cushioning materials, purchased premade	â	17 204	â	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	x	15 833	X	N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	217 480 372 330	X	N N
	337920, BLIND & SHADE MFG				
33200005 33120001	Fabricated metal products, including forgings Steel shapes and forms (except castings, forgings, and fabricated metal	Х	64 794	X	43 805
33131501	products) Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	39 264 47 818	×	44 631 D
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)			x	
31332003	Plastics coated fabrics and shade cloth	X X X	66 218 173 461	X	57 267 92 74 <u>7</u>
31499100 32610013	Cordage		18 121	×	D
32221001	other shapes	X	101 557 27 944	X	43 219 23 427
00970099 00971000	All other materials and components, parts, containers, and supplies	X X X	196 377 364 644	X	N 304 380
	339111, LABORATORY APPARATUS & FURNITURE MFG				
33441200 001900C4	Printed circuit boards (without inserted components) for electronic circuitry	Х	6 784	Х	14 771
33441300	with inserted electronic components) Semiconductors, including transistors, diodes, rectifiers, and integrated	X	36 857	X	29 789
	circuits for electronic circuitry	X	12 032	X	7 538
	Canacitors for electronic circuitry	V I			
33441400 33441500 001900D3	Capacitors for electronic circuitry Resistors for electronic circuitry Other components and accessories for electronic circuitry, n.e.c., except	X X X	2 035 5 238	X	1 848 1 570

NAICS	ee appendixes]	1997	,	1992	!
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339111, LABORATORY APPARATUS & FURNITURE MFG— Con.				
33593101 001900B1 33410001 33451501	Current-carrying wiring devices	X X X	16 460 6 934 5 310	X X X	8 766 1 618 4 280
33451503 32521105	instrument relays). Electrical measuring instruments and parts, not listed elsewhere. Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	7 463 6 139	X	3 573 1 474
32610007 332000A9 332000AC	etc. Fabricated plastics products (except gaskets, hoses, and belting) Sheet metal products, except stampings Metal stampings	X X X	20 908 18 333 49 375 4 108	X X X X	9 196 11 755 49 142 1 348
332000AE 33210001 33100035	Other fabricated metal products (except forgings) Forgings Castings (rough and semifinished)	X X X	32 673 4 462 9 608	×	N D N
33100033 32720003 00970099	Metal shapes and forms, except castings, forgings, and fabricated metal products Glass and glass products (excluding windows and mirrors) All other materials and components, parts, containers, and supplies	X X X	15 972 15 656 248 365	X X X	N 8 742 N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	197 630	X	D
33910000	Surgical and orthopedic supplies, including sutures and hypodermic needles				
001900B7	for further manufacture or assembly	X	632 932	x	474 875
33272203	other electronic components	X	265 140	X	178 783 64 822
33200095 33211101	products . Other fabricated metal products (except forgings)	X X X	65 515 345 810 15 426	X	135 696 16 633
33211101 33211201 33151001	Other fabricated metal products (except forgings) Iron and steel forgings Nonferrous forgings Iron and steel castings (rough and semifinished)	x x	3 084 5 651	X X X X	2 083 18 356
33152011 33120001	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	12 012		7 335
331000AJ	products) Nonferrous shapes and forms (except castings, forgings, and fabricated metal products).	X X	78 204 25 056	X X	48 803 23 109
31323001 31321025	Nonwoven fabrics	X	17 445 19 328	X	5 505 13 282
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	x	188 194	X	13 202 N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	x	207 371		146 471
32610009 32600017 32552001	Fabricated plastics products Fabricated rubber products, except tires, tubes, hose, belting, and gaskets Adhesives and sealants	X X X	404 084 58 965 9 313	X X X	261 087 56 250 5 620
32720007 32221001	Glass and glass products, except photographic and projection lenses and prisms. Paperboard containers, boxes, and corrugated paperboard	X	14 261 130 329	X	17 614 79 243
32210015 00970099	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard. All other materials and components, parts, containers, and supplies	X	44 839 614 091	×	48 085 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 201 552	X	N
33910000	339113, SURGICAL APPLIANCE & SUPPLIES MFG Surgical and orthopedic supplies, including sutures and hypodermic needles				
001900B7	for further manufacture or assembly Resistors, capacitors, transformers, electron tubes, semiconductors, and	x	568 409	x	N
33272203	other electronic components Metal bolts, nuts, screws, washers, rivets, and other screw machine	Х	97 807	x	N
33200043	products	X	37 369 153 553	X	N N
33211101 33211201	Iron and steel forgings	X X X	12 968 14 629	X X X	N N
33151001 33152011	Nonferrous forgings	X	69 906 21 814	X	N N
33120001 331000AJ	Steel shapes and forms (except castings, forgings, and fabricated metal products) Nonferrous shapes and forms (except castings, forgings, and fabricated	Х	72 464	x	N
31323001	metal products)	X X	49 345 328 109	X X	N N
31321025 32521105	Broadwoven fabrics	X	204 363	X	N
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and	X	118 850	X	N
32610009 32600017 32720007	other shapes Fabricated plastics products Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X X X	132 220 135 252 25 606	X X	N N N
32552001 32221001	prisms . Adhesives and sealants	X X X	4 974 30 954 112 896	X X	N N N
32210015 00970099	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard. All other materials and components, parts, containers, and supplies	×	73 518 840 032	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k	X	1 130 226	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine				
33210001 33100035	products	X X X	15 215 1 802 12 570	X X X	N N N
33120001	Castings (rough and semifinished) Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	17 085	x	N
33200095 331000AJ	Other fabricated metal products (except forgings)	x x	46 306	x x	54 217
	metal products)	Х	9 767	XΙ	9 300

NAICS	er appertuixes _j	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339114, DENTAL EQUIPMENT & SUPPLIES MFG—Con.				
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	141 172	x	136 466
32500007 001900B7	Chemicals, all types, except resins	X	54 138	X	31 614
32521105	other electronic components Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	29 659	X	8 770
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and	X	11 407	X	10 981
32610011 32720007	other shapes Fabricated plastics products (except gaskets) Glass and glass products, except photographic and projection lenses and	X	13 606 32 028	X	10 933 21 214
32210015	prisms	Х	14 341	х	15 083
32221001	corrugated paperboard	X X	13 423 25 544	X X X	5 806 14 170
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	160 701 128 946	X	N N
	339115, OPHTHALMIC GOODS MFG				
32721211 33331403	Lens blanks, optical and ophthalmic	X	199 015	x	144 688
32521105	equipment	х	D	x	11 728
32610013	etc	X	62 254	X	55 026
32221001	other shapes	X X	51 800 D	X	47 997 12 479
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	230 083 238 347	X	153 214 123 805
	339911, JEWELRY (EXCEPT COSTUME) MFG				
33200005	Fabricated metal products, including forgings	X	50 504	X	N
33100035 32500067 33141901	Castings (rough and semifinished) Other chemicals and allied products Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip,	X	D D	X X X	N N
33100027	solder, plating, electrodes, etc. Other shapes and forms, including castings	X	681 958 92 727	X	N N
33991303	Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled		497 539		N
33991301 33990000	Jewelers' findings, including joints, pins, clasps, chains, flat stock, etc Other jewlery, silverware, and plated ware	X X X X X	94 358 78 936	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X X	206 858 662 321	X	N N
	339912, SILVERWARE & PLATED WARE MFG				
33100035 33120001	Castings (rough and semifinished)	X	3 924	x	N
331000AJ	products) Nonferrous shapes and forms (except castings, forgings, and fabricated	Х	D	х	N
32551003	metal products). Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	Х	D	x	N
33200081	products	X	D 24 054	X	N N
33210001 33100003	Forgings	X	D	X	N
33141901	fabricated metals (pod. platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	D 59 236	X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x	108 044 20 969	X	N N
	339913, JEWELERS' MATERIAL & LAPIDARY WORK MFG				
33200005	Fabricated metal products, including forgings	х	D	x	22 278
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X X	122 995	X	122 961
33100027 33991303	solder, plating, electrodes, etc. Other shapes and forms, including castings Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled		D 04 040		5 913 127 352
33991301 33990000	Jewelers' findings, including joints, pins, clasps, chains, flat stock, etc. Other jewlery, silverware, and plated ware	X X X	94 843 31 807 40 795	X X X	18 003 171
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	5 948 129 428	x x	10 251 167 334
	339914. COSTUME JEWELRY & NOVELTY MFG				
33200005	Fabricated metal products, including forgings	X X	28 507	X	N
33100035 33120001	Castings (rough and semifinished)		D		N
33120017	products) Steel sheet and strip, including tin plate	X	D	X	N N
33120021 33142135	Steel pipes (except castings, forgings, and fabricated metal products) . Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X X	D D	X X	N N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	×	N N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	×	N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	Х	24 373	x	N
33100027	Other shapes and forms, including castings	Х	6 085	X	N
33991303 33991301	Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled	X	54 884 43 461	×	N N
33990000 00970099	Other jewlery, silverware, and plated ware All other materials and components, parts, containers, and supplies	X X X	39 097 65 646	X X X X	N N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	118 044	χ̈́	Ň

or terms, s	ee appendixesj	1997	7	1992	
NAICS material	Industry and materials consumed	199		1992	Delineral cost
code		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339920, SPORTING & ATHLETIC GOODS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine	V	70 574	V	FO 000
33200095 33152005	products Other fabricated metal products (except forgings) Aluminum and aluminum-base alloy castings (rough and semifinished)	X X X	78 574 158 973 82 842	X X X X	59 208 149 813 26 338
33152005 33152015 33210001	Other castings (rough and semifinished) Forgings	x x	154 799 3 608	x x	64 317 2 251
33120017 33120027	Steel sheet and strip, including tin plate . All other steel shapes and forms (except castings, forgings, and fabricated	â	96 470	â	54 668
33131501	metal products)	XX	148 334 22 833	X	120 302 52 123
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	x	56 615	x	14 739
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	x	20 234	×	25 920
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	V	50 505		00,400
32521105	products Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X X	52 525 176 452	X X	33 409 174 907
32500051 32610013	All other chemicals and allied products Plastics products consumed in the form of sheets, rods, tubes, film, and	â	55 129	â	15 496
31320007	other shapes	X	137 861 98 397	X	102 217 76 459
31611001 32100019	Finished leather	X	15 285 87 479	X	17 387 62 671
00190004 32221001	Parts specially designed for sporting goods Paperboard containers, boxes, and corrugated paperboard	X	567 860 161 873	X	495 599 81 040
00970099 00971000	All other materials and components, parts, containers, and supplies	X	877 911 766 040	X	606 757 597 644
	339931, DOLL & STUFFED TOY MFG				
33200005	Fabricated metal products, including forgings	х	D	×	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	88	x	D
33100041 32521105	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	D	×	D
32610013	etc	х	6 262	x	2 063
31321023	other shapes	XX	898 15 297	X	848 6 927
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	×	D	×	895
32221001 32200003 32100025	Paperboard containers, boxes, and corrugated paperboard Other paper products Hardwood lumber, rough and dressed	X X X	1 115 177 D	X X X	933 167 D
					_
32100031 32100005 001900B4	Softwood lumber, rough and dressed Other wood products (except lumber) Electronic components and accessories, including circuit boards and	X	D 186	X	N D
33993100	recording heads Doll parts	××	D 20 175	X	N 15 736
00970099 00971000	All other materials and components, parts, containers, and supplies	XX	12 065 28 889	×	16 525 30 579
	339932, GAME, TOY, & CHILDREN'S VEHICLE MFG				
33200005	Fabricated metal products, including forgings	х	30 978	×	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	x	24 896	x	N
33100041 32521105	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products) Plastics resins consumed in the form of granules, pellets, powders, liquids,	х	D	×	N
32610013	etc	x	317 128	×	N
31321023	other shapes	X	140 709 22 686	×	N N
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	×	77 885	×	Ŋ
32221001 32200003 32100025	Paperboard containers, boxes, and corrugated paperboard Other paper products Hardwood lumber, rough and dressed	X X X	150 304 45 536 21 740	X X X	N N N
32100031 32100005 001900B4	Softwood lumber, rough and dressed Other wood products (except lumber) Electronic components and accessories, including circuit boards and	X	11 267 13 596	X	N N
33993100	recording heads	X	58 927 D	X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	x x	324 377 182 950	x x	N N
	339941, PEN & MECHANICAL PENCIL MFG				
32100001	Lumber and wood products, except furniture	x	D	x	D
32221001 32513005	Paperboard containers, boxes, and corrugated paperboard	X X	33 932 D	X	40 058 N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 574	X	D
32500059 32610013	Other chemicals and allied products	X	13 169	X	28 967
32700001 33200005	other shapes Stone, clay, glass, and concrete products Fabricated metal products, including forgings	X X X	67 772 D 41 945	X X	26 502 N 27 730
33994100 00970099	Parts for pens and mechanical pencils All other materials and components, parts, containers, and supplies	XX	177 326 107 303	X X X	156 554 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	χ̈́Ι	31 605	χ̈́	12 633

NAICS	е арренилес)	1997		1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339942, LEAD PENCIL & ART GOOD MFG				
33120017 33100055	Steel sheet and strip, including tin plate	X	6 983	X	N
32100025	castings forgings and fabricated metal products)	X X	8 239 409	X	N N
32100031 32121903	Softwood lumber, rough and dressed	X	655 1 84 <u>5</u>	X	N N
32121907 32121909	Hardwood lumber, rough and dressed Softwood lumber, rough and dressed Particleboard (wood) Medium density fiberboard (MDF) Hardboard	X	D 2 232	X	N N
31321019 32721101 32552001	Flat glass (plate, float, and sheet)	X X X	D 665 1 204	X X X X X X	N N N
32551003	Adhesives and sealants Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied	^	1 204	^	IN
33251001	products	Х	4 287	X	N
32221001	glides, handles, hinges, locks, etc. Paperboard containers, boxes, and corrugated paperboard	X	1 382 39 789	X	N N
32100001 32513005	Lumber and wood products, except furniture Pigments, lakes, and toners; organic and inorganic	X	40 661 28 451	X X X	N N
32500059 32610013	Other chemicals and allied products. Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes.	X X	30 357 36 525	×	N N
32700001 33200005	Stone, clay, glass, and concrete products Fabricated metal products, including forgings	x x	6 282 11 835	x x	N N
33994100 00970099	Parts for pens and mechanical pencils All other materials and components, parts, containers, and supplies	X	4 796 109 858	X	N N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	71 917	X	N
	339943, MARKING DEVICE MFG				
32100001 32221001	Lumber and wood products, except furniture	X	15 447 14 185	X	2 056 1 118
32513005 32551003	Pigments, lakes, and toners; organic and inorganic	X	D 0.000	X	N
32500059 32610013	products. Other chemicals and allied products.	X	2 088 1 999	X	D 1 522
32700001	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes Stone, clay, glass, and concrete products	X X	25 450 D	××	9 217 N
33200005 33994100	Fabricated metal products, including forgings Parts for pens and mechanical pencils	x x	26 657 D	x x	9 813 D
00970099 00971000	All other materials and components, parts, containers, and supplies	X	66 462 29 457	X	N 56 886
	339944, CARBON PAPER & INKED RIBBON MFG				
31320003	Textile fabrics	X	12 259	X	N
32212005 32221001	Purchased (market) paper Paperboard containers, boxes, and corrugated paperboard	X	27 731 32 371	X	42 610 20 408
32200009 32518200 32591003	Other paper and allied products Carbon black Printing ink	X	17 864 8 163 8 742	X X	D 2 973 8 378
32500057 00970099	Other chemicals and allied products. All other materials and components, parts, containers, and supplies.	X X X X X X	63 726 160 993	X X X X X X X	29 481 110 246
00971000	Materials, ingredients, containers, and supplies, n.s.k.	x	45 167	x	37 792
	339950, SIGN MFG				
32121001 32200001	Veneer and plywood	X	43 969	X	61 884
32521105	and corrugated paperboard Plastics resins consumed in the form of granules, pellets, powders, liquids,	X	157 618	X X	154 589
32551003	etc. Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	43 839 32 007	×	41 891 34 010
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and	X	262 370		178 961
33251005 33200047	other shapes Metal hardware, including hinges, handles, locks, casters, etc. All other fabricated metal products (except castings and forgings)	X	47 833 132 092	X X X	33 687 89 607
33100035 33210001	Castings (rough and semifinished)	X	9 002 2 377	X	2 880 465
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	х	35 239	x	31 589
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	×	38 668	x	38 581
33531100 32100043	Specially transformers and fluorescent ballasts Wood other than veneer and plywood	X	59 286 48 997	X	51 327 N
00190094	Manufactured products used for advertising specialities, such as pens, pencils, key chains, calendars, magnets, etc.	х	79 503	x	N
31300045 32591003	Printing ink.	X	20 305 12 740	X X X	N N
00970099 00971000	All other materials and components, parts, containers, and supplies	X	561 328 1 102 343	X	N 644 013
	339991, GASKET, PACKING, & SEALING DEVICE MFG				
32199901 32212029	Cork products Building paper and board	X	23 648 52 926	X X	53 932 59 683
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	130 979	x	52 380
32521205 32520005	Synthetic rubber	X X	182 457 78 032	X X X	140 489 93 659
11321001 32600017	Natural rubber	X X	37 380 70 989	X	10 715 46 976
33290009 33200015	Fabricated metal wire products (including wire rope, cable, springs, etc.) All other fabricated metal products (including forgings)	X	27 408 126 049	X X X	17 720 116 201
33120013 33120077	Steel tinplate, tin free steel, terneplate, and blackplate All other steel shapes and forms (except forgings and fabricated metal products)	X X	21 380 102 631	X	13 800 118 303
32799213 32799901	Natural graphite Artificial graphite	x X	29 593 1 818	x x x	N N N
32799201	Carbon, ground or treated	x	30 051	ı	Ň

NAICS	ee appendixes]	1997	7	1992	
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339991, GASKET, PACKING, & SEALING DEVICE MFG—Con.				
00970099 00971000	All other materials and components, parts, containers, and supplies	X	600 324 237 074	X	N 130 741
00400040	339992, MUSICAL INSTRUMENT MFG	v	20 525		10 711
32100019 32221001 32551003	Rough and dressed lumber Paperboard containers, boxes, and corrugated paperboard Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	×	62 565 13 667 7 531	X X	46 741 5 356 4 755
33431005 001900A9	Loudspeakers, microphones, and tuners (all types) All other electronic and electrical equipment and components, except	x	4 887	â	4 126
001900B4	computer equipment	X	8 302	X	N
33999200	recording heads Parts specially designed for musical instruments, including actions, strings,	X	33 649	X	44 648
00970099 00971000	mouthpieces, etc. All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies n.s.k.	X X	100 119 118 230 54 818	X X	100 313 76 700 48 655
	339993, FASTENER, BUTTON, NEEDLE, & PIN MFG				
33200005 33120001	Fabricated metal products, including forgings	Х	20 467	X	21 759
33100039	products)	X	15 042	X	17 227
33142111	forgings, and fabricated metal products)	X X	12 535 52 600	X X	5 350 46 826
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 687	x	5 570
31320005 32521105	Cotton and manmade fiber fabrics, broadwoven and narrow woven	×	38 866	X	46 836
33999301	etc. Buttons, zippers, and slide fasteners	X	25 233 12 905	X	17 609 15 932
00970099 00971000	All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X	83 422 42 333	X	N N
32610013	339994, BROOM, BRUSH, & MOP MFG Plastics products consumed in the form of sheets, rods, tubes, film, and				
33200081	other shapes	X	85 035 28 115	×	N N
33100035 33210001	Fabricated metal products (except forgings) Castings (rough and semifinished) Forgings Metal shapes and forms, except castings, forgings, and fabricated metal	X	1 350 423	X X X	503 N
33100033	products	X	22 010	X	N
11199800 31300001	Broomcorn. Yarns and textiles made of cotton, wool, silk, and manmade fibers. All other wood products except wood brush handles and backs and	X	9 515 151 371	X	9 052 35 846
32100045 32199903	All other wood products except wood brush handles and backs and furniture Wood brush handles and backs	X	7 378 56 002	X	N 30 047
32221001 32521105	Paperboard containers, boxes, and corrugated paperboard Plastics resins consumed in the form of granules, pellets, powders, liquids,	x	60 050	X	29 363
33999900 00970099	etc. Dressed hair (including bristle and horsehair) All other materials and components, parts, containers, and supplies	X X X	75 459 26 827 270 196	X X X	47 680 16 348 N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	Х	41 641	X	N
04000007	339995, BURIAL CASKET MFG	V	50.040		55 440
31320007 32100019 33251003	Cotton, wool, manmade fiber fabrics, etc. Rough and dressed lumber Metal casket and casket shell hardware	X X X	52 343 43 412 48 273	X X X	55 148 39 981 59 782
33200045 33100035	Other fabricated metal products (except castings and forgings) Castings (rough and semifinished)	X	12 380 D	x x	11 754 N
33210001 33120001	Forgings	Х	D	×	N
331000AJ	products) Nonferrous shapes and forms (except castings, forgings, and fabricated	X	83 389	X	68 991
32551003	metal products) . Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products .	X X	D 20 936	X X	18 999 21 076
00970099 00971000	All other materials and components, parts, containers, and supplies	x	17 501 28 510	x x	20 043 43 865
	339999, ALL OTHER MISCELLANEOUS MFG				
11331015	Hardwood logs and boltsmil bd ft Intl 1/4 in.	D	D	х	N
32100023 32100029	Hardwood rough lumber mil bd ft Softwood rough lumber	30.4 8.6	21 505 3 299	X X X	N N
32100027 32100033 32100007	Hardwood dressed lumber	S 35.1 X	26 638 20 973 D	X X	N N N
32191203 32121101	Hardwood cut stock and dimension, excluding furniture frames Hardwood plywoodmil sq ft sm.	X D	7 036 D	x X	N N
32121201	Softwood plywood mil sq ft (3/8 in. basis).	D	D	×	N
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	x	9 423	x	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	631.9	6 870	x	N
32721103 33200005	Glass (float, sheet and plate)	X	18 453 3 271	X	N N
32221001 33200081	Paperboard containers, boxes, and corrugated paperboard	X	281 943 260 394	X	N N
33100035 33210001 33120001	Castings (rough and semifinished) Forgings Steel shapes and forms (except castings, forgings, and fabricated metal	X	18 590 8 760	X	N N
33142111	products) Copper and copper-base alloy shapes and forms (except castings, forgings,	Х	106 651	х	N
	and fabricated metal products)	x	15 313	x	N

NAICS		19	97	19	992
material code	Industry and materials consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339999, ALL OTHER MISCELLANEOUS MFG—Con.				
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	х	29 104	x	N
33100083	other nonterrous snapes and forms (except castings, forgings, and fabricated metal products) Plastics products consumed in the form of sheets, rods, tubes, film, and	X	31 669	x	N
32610013	other shapes	X	145 229	X	N
32521105 32100019 00970099 00971000	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. Rough and dressed lumber All other materials and components, parts, containers, and supplies. Materials, ingredients, containers, and supplies, n.s.k.	X X X	113 365 29 083 971 198 986 189	X X X	N N N

[#] Additional information is available for this item; see Appendix F.

Appendix A. Explanation of Terms

COST OF MATERIALS

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

Included in this item are costs of parts, components, containers, etc., which includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.

Specific Materials Consumed

In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. If less than \$25,000 of a listed material was consumed by an establishment, the cost data could be reported in the "Cost of all other materials...," Census material code 00970099. Also, the cost of materials for small establishments for which administrative records or short forms were used was imputed into the "Materials not specified by kind," Census materials code 00971000.

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Appendix B. NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C. Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

 Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material "not specified by kind" (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as "All other" industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

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In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the nsk categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

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The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, 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). This represents an expansion of the four-digit SICbased U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census - Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no "resistance rules" or "frozen industries."

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry's output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

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In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

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 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

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 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our 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) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 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

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estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, completecoverage 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.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

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 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

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Appendix D. Geographic Notes

Not applicable for this report.

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Appendix E. Metropolitan Areas

Not applicable for this report.

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Appendix F. Footnotes for Materials Consumed by Kind

Materials Statistics

NAICS material code	Footnote
# 33100077	Materials code 33100077, Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products), includes all nonferrous shapes and forms, including aluminum, copper, etc.

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