

Florida

1997

Issued May 2000

EC97M31A-FL

1997 Economic Census

Manufacturing

Geographic Area Series



USCENSUSBUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

The staff of the Manufacturing and Construction Division prepared this report. **Judy M. Dodds**, Assistant Chief for Census and Related Programs, was responsible for the overall planning, management, and coordination. **Robert Reinard**, Chief, Consumer Goods Industries Branch, assisted by **Suzanne Conard**, **Kaylene Hanks**, and **Robert Miller**, Section Chiefs, **Kenneth Hansen**, Chief, Investment Goods Industries Branch, assisted by **Mike Brown**, **Raphael Corrado**, and **Milbren Thomas**, Section Chiefs, **Nathaniel Shelton**, Chief, Primary Goods Industries Branch, assisted by **Renee Coley**, **Allen Foreman**, and **Joanna Nguyen**, Section Chiefs, and **Tom Lee**, **Robert Rosati**, and **Tom Flood**, Special Assistants, performed the planning and implementation. **Stephanie Angel**, **Brian Appert**, **Stanis Batton**, **Carol Beasley**, **Chris Blackburn**, **Larry Blumberg**, **Vera Harris-Bourne**, **Dana Brooks**, **Phillip Brown**, **Brenda Campbell**, **Vance Davis**, **Mary Ellickson**, **Matt Gaines**, **Merry Glascoe**, **Karen Harshbarger**, **Nancy Higgins**, **James Hinckley**, **Walter Hunter**, **Jim Jamski**, **Evelyn Jordan**, **Jacqueline Keller**, **Marc Klein**, **Robert Lee**, **John Linehan**, **Paul Marck**, **Keith McKenzie**, **Philippe Morris**, **Betty Pannell**, **Joyce Pomeroy**, **Cynthia Ramsey**, **Chris Savage**, **Arona Stovall**, **Sue Sundermann**, **Michael Taylor**, **Thanos Theodoropoulos**, **Dora Thomas**, **Ann Truffa**, **Ronanne Vinson**, **Keeley Voor**, **Denneth Wallace**, **Tempie Whittington**, **Lissene Witt**, **Phillip Woods**, and **Mike Yamaner** provided primary staff assistance.

Brian Greenberg, Assistant Chief for Research and Methodology Programs, assisted by **Stacey Cole**, Chief, Manufacturing Programs Methodology Branch, and **Robert Struble**, Section Chief, provided the mathematical and statistical techniques as well as the coverage operations. **Jeffrey Dalzell** and **Cathy Ritenour** provided primary staff assistance.

Mendel D. Gayle, Chief, Forms, Publications, and Customer Services Branch, assisted by **Julius Smith Jr.** and **Baruti Taylor**, Section Chiefs, performed overall

coordination of the publication process.

Kim Credito, **Patrick Duck**, **Chip Murph**, **Wanda Sledd**, and **Veronica White** provided primary staff assistance.

The Economic Planning and Coordination Division, **Lawrence A. Blum**, Assistant Chief for Collection Activities and **Shirin A. Ahmed**, Assistant Chief for Post-Collection Processing, assisted by **Dennis Shoemaker**, Chief, Post-Collection Census Processing Branch, **Brandy Yarbrough**, Section Chief, **Sheila Proudfoot**, **Richard Williamson**, **Keith Fuller**, **Andrew W. Hait**, and **Jennifer E. Lins**, was responsible for developing the systems and procedures for data collection, editing, review, correction, and dissemination.

The staff of the National Processing Center, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Charles P. Pautler Jr.**, Chief, developed and coordinated the computer processing systems. **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, assisted by **Barbara Lambert** and **Lisa Draper** were responsible for design and implementation of the computer systems. **Gary T. Sheridan**, Chief, Manufacturing and Construction Branch, **Lori A. Guido** and **Roy A. Smith**, Section Chiefs, supervised the preparation of the computer programs.

Computer Services Division, **Debra Williams**, Chief, performed the computer processing.

Kim D. Ottenstein and **Cynthia G. Brooks** of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, provided publications and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **Michael G. Garland**, Assistant Chief, and **Gary J. Lauffer**, Chief, Publications Services Branch.

Florida 1997

Issued May 2000

EC97M31A-FL

1997 Economic Census *Manufacturing* Geographic Area Series



U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

**Economics
and Statistics
Administration**
Robert J. Shapiro,
Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
Kenneth Prewitt,
Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
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

CONTENTS

Introduction to the Economic Census	1
Manufacturing	5
TABLES	
1. Industry Statistics for the State: 1997	7
2. Industry Statistics for Metropolitan Areas: 1997	21
3. Industry Statistics for Counties: 1997	58
4. Industry Statistics for Places: 1997	80
5. Detailed Statistics for the State: 1997	96
APPENDIXES	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Coverage and Methodology	C-1
D. Geographic Notes	D-1
E. Metropolitan Areas	E-1

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
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), 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 301-457-4673
Service Sector Statistics Division 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/econguide. 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:

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

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

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

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, semi-independent 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.

Table 1. Industry Statistics for the State: 1997

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
FLORIDA													
31-33	Manufacturing	1	15 992	3 628	433 149	13 185 078	291 452	562 891	6 825 999	40 213 354	37 555 711	77 477 510	2 979 519
311	Food mfg.....	1	946	224	36 948	994 858	25 204	48 454	569 857	4 395 209	6 194 113	10 539 160	377 744
3111	Animal food mfg.....	1	34	11	852	23 027	667	1 091	15 808	78 268	203 044	281 178	5 656
31111	Animal food mfg.....	1	34	11	852	23 027	667	1 091	15 808	78 268	203 044	281 178	5 656
311119	Other animal food mfg.....	1	32	11	f	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling	3	14	4	188	6 482	132	284	4 398	40 860	125 705	165 417	1 546
31121	Flour milling & malt mfg .	3	7	4	152	5 443	113	247	3 832	32 593	111 304	143 195	1 121
311211	Flour milling	2	5	3	c	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg.....	-	52	17	3 191	108 330	1 901	5 127	67 755	485 440	634 032	1 077 721	43 433
31131	Sugar mfg.....	-	9	9	2 496	95 679	1 402	4 241	59 372	452 449	589 801	999 909	41 020
311311	Sugarcane mills	-	7	7	g	D	D	D	D	D	D	D	D
311312	Cane sugar refining...	-	2	2	c	D	D	D	D	D	D	D	D
31132	Chocolate & confectionery mfg from cacao beans	9	4	1	c	D	D	D	D	D	D	D	D
311320	Chocolate & confectionery mfg from cacao beans ...	9	4	1	c	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate...	2	20	4	c	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate.....	2	20	4	c	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery mfg	9	19	3	358	6 485	281	542	4 429	12 073	18 083	30 635	1 136
311340	Nonchocolate confectionery mfg ...	9	19	3	358	6 485	281	542	4 429	12 073	18 083	30 635	1 136
3114	Fruit & vegetable preserving & specialty food mfg	-	79	42	9 737	304 900	7 085	13 670	177 230	1 230 622	2 580 917	3 812 488	216 840
31141	Frozen food mfg.....	-	31	24	4 318	124 851	3 331	7 480	81 532	669 953	1 260 538	1 932 557	90 059
311411	Frozen fruit, juice, & vegetable mfg.....	-	25	23	4 235	122 665	3 271	7 395	80 656	663 912	1 257 032	1 923 014	89 937
31142	Fruit & vegetable canning, pickling, & drying	-	48	18	5 419	180 049	3 754	6 190	95 698	560 669	1 320 379	1 879 931	126 781
311421	Fruit & vegetable canning	-	39	17	5 336	178 218	3 691	6 083	94 567	552 837	1 314 344	1 866 048	126 472
3115	Dairy product mfg	1	41	15	2 074	62 965	1 184	2 712	34 784	387 224	560 011	947 308	20 837
31151	Dairy product (except frozen) mfg	1	28	13	1 752	55 959	899	2 104	28 728	338 874	530 220	868 738	18 668
311511	Fluid milk mfg	1	16	13	1 675	53 262	846	2 000	26 939	329 475	504 841	834 087	18 048
31152	Ice cream & frozen dessert mfg.....	1	13	2	322	7 006	285	608	6 056	48 350	29 791	78 570	2 169
311520	Ice cream & frozen dessert mfg.....	1	13	2	322	7 006	285	608	6 056	48 350	29 791	78 570	2 169
3116	Meat product mfg	1	86	30	7 127	120 530	5 515	8 700	81 031	315 314	726 501	1 040 155	19 571
31161	Animal slaughtering & processing.....	1	86	30	7 127	120 530	5 515	8 700	81 031	315 314	726 501	1 040 155	19 571
311611	Animal (except poultry) slaughtering	4	31	8	503	10 896	330	596	5 606	22 795	76 758	99 989	1 149
311612	Meat processed from carcasses	2	38	11	2 348	54 361	1 871	3 613	35 198	207 877	363 898	564 691	8 840
311613	Rendering & meat byproduct processing.....	-	7	3	139	3 872	62	150	1 550	20 716	10 333	30 216	719
311615	Poultry processing....	-	10	8	4 137	51 401	3 252	4 341	38 677	63 926	275 512	345 259	8 863
3117	Seafood product preparation & packaging..	1	43	17	2 368	52 830	1 954	4 108	30 229	159 837	302 842	462 408	12 387
31171	Seafood product preparation & packaging	1	43	17	2 368	52 830	1 954	4 108	30 229	159 837	302 842	462 408	12 387
311711	Seafood canning	1	4	1	139	4 426	107	212	1 553	8 335	13 827	22 061	417
311712	Fresh & frozen seafood processing ..	1	39	16	2 229	48 404	1 847	3 896	28 676	151 502	289 015	440 347	11 970
3118	Bakeries & tortilla mfg	1	501	60	8 301	219 367	4 565	8 352	102 948	699 977	387 229	1 089 664	34 397
31181	Bread & bakery product mfg	1	471	56	7 768	209 262	4 146	7 648	95 672	671 113	348 470	1 022 235	30 350
311811	Retail bakeries	5	298	13	1 550	19 636	957	1 131	9 807	46 481	27 334	73 903	2 426
311812	Commercial bakeries .	1	161	39	5 951	183 571	2 970	6 063	81 489	613 260	309 500	925 406	27 320
311813	Frozen cakes, pies, & other pastries mfg ...	1	12	4	267	6 055	219	454	4 376	11 372	11 636	22 926	604
31182	Cookie, cracker, & pasta mfg	4	28	4	f	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg .	2	14	3	432	7 853	345	589	5 746	18 277	28 790	46 865	3 361

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
FLORIDA—Con.													
31-33	Manufacturing—Con.												
311	Food mfg—Con.												
3119	Other food mfg	1	96	28	3 110	96 427	2 201	4 410	55 674	997 667	673 832	1 662 821	23 077
31191	Snack food mfg	1	17	6	899	27 512	769	1 540	17 251	190 705	64 665	255 379	3 996
311919	Other snack food mfg	1	11	6	877	27 061	749	1 502	16 922	188 631	61 128	249 794	3 849
31192	Coffee & tea mfg	—	9	3	f	D	D	D	D	D	D	D	7 499
311920	Coffee & tea mfg	—	9	3	f	D	D	D	D	D	D	D	7 499
31194	Seasoning & dressing mfg	2	25	5	449	14 685	326	610	8 569	84 695	89 091	164 091	6 622
311941	Mayonnaise, dressing, & other prepared sauce mfg	9	12	1	124	2 724	96	171	1 782	14 874	14 295	29 011	670
311942	Spice & extract mfg	—	13	4	325	11 961	230	439	6 787	69 821	74 796	135 080	5 952
31199	All other food mfg	1	38	13	1 127	27 976	657	1 244	12 355	125 274	77 679	203 210	4 608
311991	Perishable prepared food mfg	2	9	4	319	6 267	157	294	2 162	11 330	11 141	22 854	516
311999	All other miscellaneous food mfg	1	29	9	808	21 709	500	950	10 193	113 944	66 538	180 356	4 092
312	Beverage & tobacco product mfg	1	110	44	8 382	261 410	4 390	8 713	127 658	1 806 955	1 553 242	3 361 340	124 590
3121	Beverage mfg	1	89	35	6 273	211 518	2 701	5 221	92 007	1 370 054	1 451 097	2 823 463	103 841
31211	Soft drink & ice mfg	2	70	29	4 454	136 752	1 316	2 933	39 102	694 319	1 028 881	1 723 325	48 630
312111	Soft drink mfg	2	26	20	3 759	119 584	1 066	2 412	34 234	641 414	990 207	1 631 562	44 498
312112	Bottled water mfg	6	4	3	e	D	D	D	D	D	D	D	D
312113	Ice mfg	1	40	6	e	D	D	D	D	D	D	D	D
31212	Breweries	—	13	3	g	D	D	D	D	D	D	D	D
312120	Breweries	—	13	3	g	D	D	D	D	D	D	D	D
31214	Distilleries	—	2	2	f	D	D	D	D	D	D	D	D
312140	Distilleries	—	2	2	f	D	D	D	D	D	D	D	D
3122	Tobacco mfg	2	21	9	2 109	49 892	1 689	3 492	35 651	436 901	102 145	537 877	20 749
31222	Tobacco product mfg	2	21	9	2 109	49 892	1 689	3 492	35 651	436 901	102 145	537 877	20 749
312229	Other tobacco product mfg	2	21	9	2 109	49 892	1 689	3 492	35 651	436 901	102 145	537 877	20 749
313	Textile mills	3	160	32	2 995	71 201	2 523	4 988	48 106	176 356	190 440	368 613	13 518
3132	Fabric mills	2	78	16	1 789	39 715	1 517	3 007	27 192	100 959	105 777	207 068	7 067
31321	Broadwoven fabric mills	7	42	3	396	9 099	336	614	6 478	23 877	20 161	43 936	2 081
313210	Broadwoven fabric mills	7	42	3	396	9 099	336	614	6 478	23 877	20 161	43 936	2 081
31322	Narrow fabric mills & schiffli machine embroidery	2	15	6	664	10 630	590	1 198	7 971	26 444	14 060	40 663	1 424
313221	Narrow fabric mills	1	8	4	488	7 928	425	901	5 796	21 074	11 217	32 494	947
313222	Schiffli machine embroidery	3	7	2	176	2 702	165	297	2 175	5 370	2 843	8 169	477
31323	Nonwoven fabric mills	—	5	2	152	5 660	93	189	2 120	12 285	18 948	31 265	1 316
313230	Nonwoven fabric mills	—	5	2	152	5 660	93	189	2 120	12 285	18 948	31 265	1 316
31324	Knit fabric mills	1	16	5	577	14 326	498	1 006	10 623	38 353	52 608	91 204	2 246
313241	Weft knit fabric mills	1	7	3	342	8 997	297	636	6 780	22 839	42 430	65 591	905
313249	Other knit fabric & lace mills	1	9	2	235	5 329	201	370	3 843	15 514	10 178	25 613	1 341
3133	Textile & fabric finishing & fabric coating mills	5	76	14	1 119	28 785	933	1 830	19 867	63 507	61 059	126 060	4 922
31331	Textile & fabric finishing mills	5	67	11	1 004	26 707	853	1 730	18 388	59 242	54 741	115 428	4 566
313311	Broadwoven fabric finishing mills	3	57	6	625	16 775	535	1 092	11 368	39 037	22 144	62 743	2 244
313312	Textile & fabric finishing mills	8	10	5	379	9 932	318	638	7 020	20 205	32 597	52 685	2 322
31332	Fabric coating mills	6	9	3	115	2 078	80	100	1 479	4 265	6 318	10 632	356
313320	Fabric coating mills	6	9	3	115	2 078	80	100	1 479	4 265	6 318	10 632	356
314	Textile product mills	2	543	74	7 111	127 416	5 848	9 772	82 841	263 817	247 199	508 078	15 356
3141	Textile furnishings mills	1	210	15	2 521	43 556	2 128	3 684	32 014	98 872	104 058	201 404	7 783
31412	Curtain & linen mills	1	199	15	2 489	42 923	2 100	3 636	31 551	97 242	101 501	197 217	7 683
314121	Curtain & drapery mills	2	155	6	1 002	15 324	835	1 294	10 063	29 674	27 026	56 631	882
314129	Other household textile product mills	1	44	9	1 487	27 599	1 265	2 342	21 488	67 568	74 475	140 586	6 801
3149	Other textile product mills	2	333	59	4 590	83 860	3 720	6 088	50 827	164 945	143 141	306 674	7 573
31491	Textile bag & canvas mills	3	194	23	1 945	34 064	1 577	2 585	21 666	64 360	53 221	117 262	3 837
314911	Textile bag mills	—	16	6	646	9 221	584	1 056	6 706	20 754	15 799	36 302	1 000
314912	Canvas & related product mills	4	178	17	1 299	24 843	993	1 529	14 960	43 606	37 422	80 960	2 837
31499	All other textile product mills	2	139	36	2 645	49 796	2 143	3 503	29 161	100 585	89 920	189 412	3 736
314991	Rope, cordage, & twine mills	1	15	3	272	7 830	181	365	2 842	14 178	14 712	28 491	429
314999	All other miscellaneous textile product mills	2	124	33	2 373	41 966	1 962	3 138	26 319	86 407	75 208	160 921	3 307

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FLORIDA—Con. Manufacturing— Con.												
315	Apparel mfg	1	661	190	18 771	302 688	15 421	26 236	203 933	865 924	846 050	1 688 110	20 587
3151	Apparel knitting mills	3	24	8	778	14 670	720	1 370	12 168	28 064	18 401	45 664	1 746
31511	Hosiery & sock mills	2	6	1	161	2 045	155	252	1 792	2 159	2 555	3 942	140
315111	Sheer hosiery mills	1	4	1	c	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	3	18	7	617	12 625	565	1 118	10 376	25 905	15 846	41 722	1 606
315191	Outerwear knitting mills	3	17	7	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	1	520	169	16 984	270 703	13 862	23 589	180 692	792 608	798 759	1 568 421	17 325
31521	Cut & sew apparel contractors	3	274	80	5 709	68 654	5 261	8 516	57 945	136 600	52 235	186 366	4 682
315211	Men's & boys' cut & sew apparel contractors	5	27	13	1 057	10 940	993	1 610	9 378	18 950	3 003	21 466	404
315212	Women's, girls', & infants' cut & sew apparel contractors	3	247	67	4 652	57 714	4 268	6 906	48 567	117 650	49 232	164 900	4 278
31522	Men's & boys' cut & sew apparel mfg	1	68	27	4 164	84 579	3 292	5 703	48 506	271 265	375 820	636 366	6 103
315221	Men's & boys' cut & sew underwear & nightwear mfg	1	5	1	125	2 154	112	221	1 718	5 978	2 141	8 117	15
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	2	9	1	163	3 364	134	122	2 587	6 252	5 940	12 074	47
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	1	24	17	2 582	49 995	2 060	3 546	30 475	144 432	222 014	354 638	2 540
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	—	7	5	872	22 847	620	1 219	9 261	87 178	130 805	218 784	2 994
315225	Men's & boys' cut & sew work clothing mfg	—	7	1	e	D	D	D	D	D	D	D	290
315228	Men's & boys' cut & sew other outerwear mfg	3	16	2	c	D	D	D	D	D	D	D	217
31523	Women's & girls' cut & sew apparel mfg	1	156	54	6 369	105 440	4 672	8 276	65 853	356 636	355 635	702 338	5 979
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	—	16	9	1 836	27 811	1 620	2 960	21 360	159 786	102 116	259 509	D
315232	Women's & girls' cut & sew blouse & shirt mfg	—	42	14	1 804	31 582	1 176	2 033	16 940	75 675	105 007	176 996	1 085
315233	Women's & girls' cut & sew dress mfg	1	36	9	874	14 566	672	1 227	9 729	36 410	49 742	83 493	621
315234	Women's & girls' cut & sew suit, coat, skirt mfg	—	15	6	430	9 470	244	478	4 524	25 173	42 524	67 347	D
315239	Women's & girls' cut & sew other outerwear mfg	2	47	16	1 425	22 011	960	1 578	13 300	59 592	56 246	114 993	1 633
31529	Other cut & sew apparel mfg	2	22	8	742	12 030	637	1 094	8 388	28 107	15 069	43 351	561
315299	All other cut & sew apparel mfg	1	18	8	728	11 900	629	1 084	8 304	27 663	14 522	42 363	548
3159	Apparel accessories & other apparel mfg	3	117	13	1 009	17 315	839	1 277	11 073	45 252	28 890	74 025	1 516
31599	Apparel accessories & other apparel mfg	3	117	13	1 009	17 315	839	1 277	11 073	45 252	28 890	74 025	1 516
315991	Hat, cap, & millinery mfg	6	16	4	282	4 688	239	413	3 209	9 670	5 490	14 594	D
315993	Men's & boys' neckwear mfg	—	6	2	103	1 856	75	100	846	14 626	4 800	19 766	D
315999	Other apparel accessories & other apparel mfg	4	95	7	624	10 771	525	764	7 018	20 956	18 600	39 665	1 169
316	Leather & allied product mfg	—	76	20	3 720	62 368	3 130	6 328	42 422	167 887	149 821	315 246	3 054
3162	Footwear mfg	—	17	6	1 537	25 394	1 308	2 923	17 566	64 253	51 298	112 718	987
31621	Footwear mfg	—	17	6	1 537	25 394	1 308	2 923	17 566	64 253	51 298	112 718	987
316211	Rubber & plastics footwear mfg	—	4	3	1 153	18 490	997	2 200	12 686	54 195	33 984	85 846	D
316214	Women's footwear (except athletic) mfg	—	5	2	c	D	D	D	D	D	D	D	D
316219	Other footwear mfg	—	5	1	c	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	49	13	2 100	35 542	1 750	3 261	23 808	95 836	74 298	170 587	1 814
31699	Other leather & allied product mfg	—	49	13	2 100	35 542	1 750	3 261	23 808	95 836	74 298	170 587	1 814
316991	Luggage mfg	—	12	5	555	9 892	478	822	6 308	21 035	28 180	49 375	171
316992	Women's handbag & purse mfg	—	12	3	1 119	18 118	948	1 788	12 935	59 404	37 418	97 181	1 416
316993	Personal leather good (except women's handbag & purse) mfg	—	8	2	297	5 186	222	482	3 153	11 709	5 748	17 370	107
316999	All other leather good mfg	1	17	3	129	2 346	102	169	1 412	3 688	2 952	6 661	120

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
FLORIDA—Con.													
31-33	Manufacturing—Con.												
321	Wood product mfg	1	524	189	15 379	360 731	12 397	24 883	248 361	826 331	1 443 111	2 269 976	53 113
3211	Sawmills & wood preservation	—	71	31	2 457	59 487	1 957	4 268	43 278	187 641	510 781	698 920	21 324
32111	Sawmills & wood preservation	—	71	31	2 457	59 487	1 957	4 268	43 278	187 641	510 781	698 920	21 324
321113	Sawmills	1	53	22	1 847	44 892	1 497	3 372	35 234	138 219	263 372	406 118	19 327
321114	Wood preservation	—	18	9	610	14 595	460	896	8 044	49 422	247 409	292 802	1 997
3212	Veneer, plywood, & engineered wood product mfg	2	120	76	5 055	119 666	4 005	8 126	78 509	243 443	344 107	588 875	14 181
32121	Veneer, plywood, & engineered wood product mfg	2	120	76	5 055	119 666	4 005	8 126	78 509	243 443	344 107	588 875	14 181
321211	Hardwood veneer & plywood mfg	2	9	4	e	D	D	D	D	D	D	D	D
321212	Softwood veneer & plywood mfg	—	5	2	f	D	D	D	D	D	D	D	D
321214	Truss mfg	3	102	69	4 010	92 333	3 064	6 048	55 277	172 727	229 234	402 447	8 714
3219	Other wood product mfg	1	333	82	7 867	181 578	6 435	12 489	126 574	395 247	588 234	982 181	17 608
32191	Millwork	1	170	39	2 608	57 198	2 076	3 777	39 520	116 347	231 237	346 560	10 925
321911	Wood window & door mfg	1	78	25	1 491	32 257	1 151	2 135	22 152	64 234	114 622	180 169	8 609
321912	Cut stock, resawing lumber, & planing	1	20	6	391	9 243	341	610	6 467	25 895	86 604	110 522	887
321918	Other millwork (including flooring)	3	72	8	726	15 698	584	1 032	10 901	26 218	30 011	55 869	1 429
32192	Wood container & pallet mfg	1	61	16	1 302	26 728	1 115	2 267	19 992	56 652	59 294	115 695	2 877
321920	Wood container & pallet mfg	1	61	16	1 302	26 728	1 115	2 267	19 992	56 652	59 294	115 695	2 877
32199	All other wood product mfg	—	102	27	3 957	97 652	3 244	6 445	67 062	222 248	297 692	519 926	3 806
321991	Manufactured home (mobile home) mfg	—	20	16	3 218	80 553	2 682	5 374	55 907	188 641	263 124	451 592	2 448
321992	Prefabricated wood building mfg	1	12	3	122	2 898	80	166	1 882	7 423	7 970	15 433	122
321999	All other miscellaneous wood product mfg	3	70	8	617	14 201	482	905	9 273	26 184	26 598	52 901	1 236
322	Paper mfg	—	166	87	12 602	521 620	9 816	20 404	367 186	1 615 367	2 240 294	3 823 574	182 643
3221	Pulp, paper, & paperboard mills	—	10	10	5 824	310 248	4 529	9 668	229 668	1 088 431	1 351 950	2 414 542	126 671
32211	Pulp mills	—	3	3	1 701	85 745	1 348	2 934	64 109	413 056	357 949	767 967	50 898
322110	Pulp mills	—	3	3	1 701	85 745	1 348	2 934	64 109	413 056	357 949	767 967	50 898
32212	Paper mills	—	3	3	2 486	135 340	1 899	4 018	98 866	357 396	563 838	895 078	56 659
322121	Paper (except newsprint) mills	—	3	3	2 486	135 340	1 899	4 018	98 866	357 396	563 838	895 078	56 659
32213	Paperboard mills	—	4	4	1 637	89 163	1 282	2 716	66 693	317 979	430 163	751 497	19 114
322130	Paperboard mills	—	4	4	1 637	89 163	1 282	2 716	66 693	317 979	430 163	751 497	19 114
3222	Converted paper product mfg	1	156	77	6 778	211 372	5 287	10 736	137 518	526 936	888 344	1 409 032	55 972
32221	Paperboard container mfg	1	75	49	4 076	130 946	3 149	6 385	84 192	317 495	624 664	937 659	40 925
322211	Corrugated & solid fiber box mfg	1	47	31	2 925	94 252	2 219	4 585	61 975	208 332	474 257	680 459	22 668
322212	Folding paperboard box mfg	—	12	9	711	22 298	569	1 017	12 834	54 238	48 238	102 176	D
322214	Fiber can, tube, drum, & similar products mfg	—	7	6	192	6 194	148	296	3 450	18 458	31 369	49 824	D
322215	Nonfolding sanitary food container mfg	—	7	2	c	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	2	34	16	1 458	41 721	1 184	2 463	29 791	108 107	161 833	268 284	8 597
322222	Coated & laminated paper mfg	4	20	6	301	8 004	204	422	4 866	18 842	22 923	41 394	D
322223	Plastics, foil, & coated paper bag mfg	5	3	2	154	3 655	136	261	2 828	7 354	8 683	16 236	1 783
322224	Uncoated paper & multiwall bag mfg	2	7	5	799	21 626	676	1 429	16 453	53 582	88 656	141 383	4 848
322226	Surface-coated paperboard mfg	—	2	2	c	D	D	D	D	D	D	D	D
32223	Stationery product mfg	1	33	9	1 012	29 701	835	1 678	21 159	63 568	68 954	132 450	5 449
322231	Die-cut paper & paperboard office supplies mfg	4	17	2	148	3 468	133	228	2 747	8 552	10 523	19 107	547
322232	Envelope mfg	—	9	6	797	24 419	650	1 341	17 315	51 067	56 289	107 158	4 843
32229	Other converted paper product mfg	2	14	3	232	9 004	119	210	2 376	37 766	32 893	70 639	1 001
322299	All other converted paper product mfg	1	11	2	198	7 982	94	165	1 852	33 794	29 137	62 880	D

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
323	Printing & related support activities.....	3	2 365	314	27 641	743 902	19 963	35 509	460 254	1 658 388	1 137 612	2 793 370	139 050
3231	Printing & related support activities.....	3	2 365	314	27 641	743 902	19 963	35 509	460 254	1 658 388	1 137 612	2 793 370	139 050
32311	Printing.....	3	2 155	283	25 593	683 541	18 370	32 630	419 114	1 536 541	1 106 149	2 640 084	130 693
323110	Commercial												
323111	lithographic printing ..	3	944	158	13 745	400 887	9 798	18 496	249 860	837 799	613 490	1 447 735	85 674
323111	Commercial gravure printing.....	5	23	3	202	5 264	169	275	4 187	16 236	16 087	31 942	1 996
323112	Commercial flexographic printing ..	—	37	15	704	22 733	478	1 019	12 819	74 854	68 587	142 996	5 003
323113	Commercial screen printing.....	2	225	35	3 810	76 008	2 955	4 543	44 393	201 912	126 142	329 099	12 831
323114	Quick printing ..	3	618	19	3 157	69 678	2 174	3 282	42 470	149 299	85 854	235 302	9 348
323116	Manifold business form printing.....	1	39	20	1 364	43 304	888	1 601	23 844	116 545	111 991	230 184	7 020
323117	Book printing.....	3	42	13	883	26 571	708	1 469	18 745	55 930	33 574	88 655	3 341
323118	Blankbook, looseleaf binder, & device mfg ..	6	10	5	272	5 753	200	332	3 349	16 608	6 502	22 982	292
323119	Other commercial printing.....	5	195	15	1 369	31 238	940	1 526	18 184	62 439	41 767	104 101	4 550
32312	Support activities for printing.....	3	210	31	2 048	60 361	1 593	2 879	41 140	121 847	31 463	153 286	8 357
323121	Tradebinding & related work ..	4	43	6	489	11 337	416	757	8 444	20 405	3 591	24 190	1 628
323122	Prepress services	3	167	25	1 559	49 024	1 177	2 122	32 696	101 442	27 872	129 096	6 729
324	Petroleum & coal products mfg ..	2	48	11	857	28 878	601	1 325	17 982	140 718	225 569	367 017	6 626
3241	Petroleum & coal products mfg ..	2	48	11	857	28 878	601	1 325	17 982	140 718	225 569	367 017	6 626
32412	Asphalt paving, roofing, & saturated materials mfg ..	1	34	9	731	24 768	530	1 209	16 079	124 786	189 877	315 284	5 618
324121	Asphalt paving mixture & block mfg ..	1	26	5	416	13 380	292	679	8 745	48 458	103 804	152 124	3 127
324122	Asphalt shingle & coating materials mfg ..	1	8	4	315	11 388	238	530	7 334	76 328	86 073	163 160	2 491
32419	Other petroleum & coal products mfg ..	8	14	2	126	4 110	71	116	1 903	15 932	35 692	51 733	1 008
324191	Petroleum lubricating oil & grease mfg ..	8	13	2	c	D	D	D	D	D	D	D	D
325	Chemical mfg ..	1	576	179	20 163	776 048	13 019	27 466	443 750	3 868 274	4 902 776	8 761 554	334 256
3251	Basic chemical mfg ..	1	60	19	2 113	95 423	1 293	2 586	46 220	445 249	503 666	954 682	49 611
32511	Petrochemical mfg ..	9	1	1	c	D	D	D	D	D	D	D	D
325110	Petrochemical mfg ..	9	1	1	c	D	D	D	D	D	D	D	D
32512	Industrial gas mfg ..	1	16	3	c	D	D	D	D	D	D	D	D
325120	Industrial gas mfg ..	1	16	3	c	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical mfg ..	3	18	2	191	9 038	110	221	3 887	17 973	34 994	54 408	1 747
325188	All other basic inorganic chemical mfg ..	3	17	2	c	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg ..	—	23	12	1 556	71 201	984	1 935	34 678	349 689	400 296	754 212	40 066
325191	Gum & wood chemical mfg ..	—	2	2	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg ..	1	21	10	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg ..	1	28	15	2 420	112 147	1 756	4 266	77 770	557 734	824 397	1 365 347	60 219
32521	Resin & synthetic rubber mfg ..	2	23	13	f	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg ..	2	16	9	662	25 745	462	1 003	15 755	129 184	240 463	359 864	16 692
325212	Synthetic rubber mfg ..	1	7	4	c	D	D	D	D	D	D	D	D
32522	Artificial & synthetic fibers & filaments mfg ..	1	5	2	g	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber mfg ..	1	5	2	g	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, & other agricultural chemical mfg ..	—	73	36	5 575	229 293	3 978	9 121	149 391	1 550 122	2 435 884	3 976 085	143 488
32531	Fertilizer mfg ..	—	61	32	5 216	216 724	3 784	8 728	142 064	1 381 192	2 317 434	3 685 986	137 303
325311	Nitrogenous fertilizer mfg ..	—	7	2	133	5 216	74	133	2 031	20 581	67 530	89 611	2 963
325312	Phosphatic fertilizer mfg ..	—	14	14	4 241	185 415	3 201	7 508	128 165	1 227 784	1 936 021	3 154 387	128 684
325314	Fertilizer (mixing only) mfg ..	1	40	16	842	26 093	509	1 087	11 868	132 827	313 883	441 988	5 656
32532	Pesticide & other agricultural chemical mfg ..	—	12	4	359	12 569	194	393	7 327	168 930	118 450	290 099	6 185
325320	Pesticide & other agricultural chemical mfg ..	—	12	4	359	12 569	194	393	7 327	168 930	118 450	290 099	6 185

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FLORIDA—Con. Manufacturing— Con.												
325	Chemical mfg—Con.												
3254	Pharmaceutical & medicine mfg	1	69	29	3 860	151 390	2 240	4 473	79 772	568 591	388 258	964 145	45 741
32541	Pharmaceutical & medicine mfg	1	69	29	3 860	151 390	2 240	4 473	79 772	568 591	388 258	964 145	45 741
325412	Pharmaceutical preparation mfg	1	39	18	2 441	95 248	1 459	3 035	45 060	406 458	305 324	708 697	27 711
325413	In-vitro diagnostic substance mfg	—	7	4	803	41 998	441	889	27 534	129 837	59 302	199 775	14 785
325414	Biological product (except diagnostic) mfg	7	12	5	532	11 549	295	485	6 067	25 010	16 489	41 240	1 168
3255	Paint, coating, & adhesive mfg	2	109	28	1 874	60 281	1 001	1 842	25 036	273 062	312 136	583 890	11 996
32551	Paint & coating mfg	2	89	22	1 528	47 948	821	1 433	19 123	223 260	243 035	467 079	8 099
325510	Paint & coating mfg	2	89	22	1 528	47 948	821	1 433	19 123	223 260	243 035	467 079	8 099
32552	Adhesive mfg	4	20	6	346	12 333	180	409	5 913	49 802	69 101	116 811	3 897
325520	Adhesive mfg	4	20	6	346	12 333	180	409	5 913	49 802	69 101	116 811	3 897
3256	Soap, cleaning compound, & toilet preparation mfg ..	5	132	28	2 275	59 029	1 470	2 822	29 998	265 739	203 601	472 788	9 942
32561	Soap & cleaning compound mfg	3	84	16	959	26 616	582	1 189	13 641	114 812	113 996	229 789	4 089
325611	Soap & other detergent mfg	4	33	7	e	D	D	D	D	D	D	D	D
325612	Polish & other sanitation good mfg ..	4	49	8	539	14 038	366	786	8 039	75 234	66 099	141 604	2 020
32562	Toilet preparation mfg	6	48	12	1 316	32 413	888	1 633	16 357	150 927	89 605	242 999	5 853
325620	Toilet preparation mfg	6	48	12	1 316	32 413	888	1 633	16 357	150 927	89 605	242 999	5 853
3259	Other chemical product mfg	3	105	24	2 046	68 485	1 281	2 356	35 563	207 777	234 834	444 617	13 259
32591	Printing ink mfg	2	22	4	e	D	D	D	D	D	D	D	D
325910	Printing ink mfg	2	22	4	e	D	D	D	D	D	D	D	D
32592	Explosives mfg	—	4	2	e	D	D	D	D	D	D	D	D
325920	Explosives mfg	—	4	2	e	D	D	D	D	D	D	D	D
32599	All other chemical product & preparation mfg	3	79	18	1 334	41 558	820	1 453	20 562	130 888	139 264	271 517	9 997
325991	Custom compounding of purchased resin ..	4	33	5	489	14 166	322	585	6 853	42 060	45 905	87 659	3 182
325998	All other miscellaneous chemical product & preparation mfg	3	36	13	811	26 667	478	843	13 375	87 085	91 203	179 946	6 361
326	Plastics & rubber products mfg	2	703	251	20 044	487 226	15 536	28 799	309 866	1 316 364	1 233 917	2 544 897	115 007
3261	Plastics product mfg	2	592	215	17 276	416 247	13 397	24 484	261 847	1 124 703	1 086 959	2 208 491	98 196
32611	Unsupported plastics film, sheet, & bag mfg ..	3	45	16	1 345	41 836	1 078	2 173	22 862	102 472	131 925	234 433	8 805
326111	Unsupported plastics bag mfg	4	15	10	861	27 370	696	1 536	15 472	62 185	86 545	148 487	5 620
326112	Unsupported plastics packaging film & sheet mfg	—	3	1	c	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg	4	27	5	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	2	67	21	1 327	34 581	1 081	2 036	23 977	95 086	157 003	250 759	9 057
326121	Unsupported plastics profile shape mfg	5	39	4	385	11 426	313	697	7 428	30 471	21 868	52 522	2 159
326122	Plastics pipe & pipe fitting mfg	1	28	17	942	23 155	768	1 339	16 549	64 615	135 135	198 237	6 898
32613	Laminated plastics plate, sheet, & shape mfg	9	22	2	180	3 658	143	191	2 688	10 588	9 356	19 988	648
326130	Laminated plastics plate, sheet, & shape mfg	9	22	2	180	3 658	143	191	2 688	10 588	9 356	19 988	648
32614	Polystyrene foam product mfg	3	22	8	667	15 409	572	1 097	11 719	45 953	60 839	105 915	5 092
326140	Polystyrene foam product mfg	3	22	8	667	15 409	572	1 097	11 719	45 953	60 839	105 915	5 092
32615	Urethane & other foam product (except polystyrene) mfg	1	19	10	538	14 824	430	807	9 943	48 853	83 474	132 481	3 891
326150	Urethane & other foam product (except polystyrene) mfg	1	19	10	538	14 824	430	807	9 943	48 853	83 474	132 481	3 891
32616	Plastics bottle mfg	2	19	11	883	24 288	796	1 558	19 684	106 013	126 148	231 445	9 820
326160	Plastics bottle mfg	2	19	11	883	24 288	796	1 558	19 684	106 013	126 148	231 445	9 820
32619	Other plastics product mfg	2	398	147	12 336	281 651	9 297	16 622	170 974	715 738	518 214	1 233 470	60 883
326191	Plastics plumbing fixture mfg	2	48	16	1 126	23 369	858	1 673	14 326	52 115	43 793	95 279	1 879
326199	All other plastics product mfg	2	350	131	11 210	258 282	8 439	14 949	156 648	663 623	474 421	1 138 191	59 004

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg—Con.												
3262	Rubber product mfg	2	111	36	2 768	70 979	2 139	4 315	48 019	191 661	146 958	336 406	16 811
32621	Tire mfg	2	58	12	521	11 349	404	881	8 147	26 487	34 785	61 701	D
326212	Tire retreading	1	57	11	e	D	D	D	D	D	D	D	D
32622	Rubber & plastics hoses & belting mfg	—	11	6	752	21 171	613	1 217	15 336	58 438	52 421	108 135	D
326220	Rubber & plastics hoses & belting mfg..	—	11	6	752	21 171	613	1 217	15 336	58 438	52 421	108 135	D
32629	Other rubber product mfg	2	42	18	1 495	38 459	1 122	2 217	24 536	106 736	59 752	166 570	3 352
326291	Rubber product mfg for mechanical use	6	11	3	295	5 303	218	378	3 735	11 718	9 012	20 696	676
326299	All other rubber product mfg	2	31	15	1 200	33 156	904	1 839	20 801	95 018	50 740	145 874	2 676
327	Nonmetallic mineral product mfg	1	894	259	20 862	614 147	15 669	33 498	419 185	1 758 195	1 818 457	3 569 502	142 597
3271	Clay product & refractory mfg	1	82	8	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	2	53	5	e	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	2	46	4	305	4 799	208	327	2 878	9 914	3 724	13 662	593
32712	Clay building material & refractories mfg	1	29	3	647	20 938	440	938	11 188	30 561	16 979	51 054	5 136
327122	Ceramic wall & floor tile mfg	—	16	2	555	17 626	382	822	9 407	21 110	10 436	35 340	4 216
3272	Glass & glass product mfg .	1	138	26	3 309	98 535	2 740	5 533	76 750	225 025	216 180	432 951	24 059
32721	Glass & glass product mfg	1	138	26	3 309	98 535	2 740	5 533	76 750	225 025	216 180	432 951	24 059
327213	Glass container mfg ..	—	3	3	955	39 370	838	1 738	33 567	120 570	76 325	189 123	7 528
327215	Glass product mfg made of purchased glass	2	115	22	2 258	55 958	1 826	3 668	41 136	98 543	134 215	232 234	16 143
3273	Cement & concrete product mfg	1	554	196	13 944	397 618	10 236	22 283	261 229	1 179 883	1 271 763	2 451 984	88 784
32731	Cement mfg	—	13	7	768	31 199	541	1 353	21 899	186 423	153 242	340 218	12 718
327310	Cement mfg	—	13	7	768	31 199	541	1 353	21 899	186 423	153 242	340 218	12 718
32732	Ready-mix concrete mfg .	—	296	101	5 918	172 266	4 422	10 130	118 689	507 505	758 468	1 268 378	41 981
327320	Ready-mix concrete mfg	—	296	101	5 918	172 266	4 422	10 130	118 689	507 505	758 468	1 268 378	41 981
32733	Concrete pipe, brick, & block mfg	3	84	25	1 905	50 558	1 395	2 707	32 457	143 411	132 223	272 698	11 792
327331	Concrete block & brick mfg	3	62	12	942	28 266	633	1 356	17 148	86 992	77 059	161 837	7 709
327332	Concrete pipe mfg	2	22	13	963	22 292	762	1 351	15 309	56 419	55 164	110 861	4 083
32739	Other concrete product mfg	2	161	63	5 353	143 595	3 878	8 093	88 184	342 544	227 830	570 690	22 293
327390	Other concrete product mfg	2	161	63	5 353	143 595	3 878	8 093	88 184	342 544	227 830	570 690	22 293
3274	Lime & gypsum product mfg	—	15	8	f	D	D	D	D	D	D	D	D
32742	Gypsum product mfg	—	14	7	828	30 814	682	1 575	24 009	146 342	149 686	296 466	12 606
327420	Gypsum product mfg ..	—	14	7	828	30 814	682	1 575	24 009	146 342	149 686	296 466	12 606
3279	Other nonmetallic mineral product mfg	1	105	21	1 725	57 690	1 280	2 655	40 267	156 571	149 652	302 635	10 623
32791	Abrasive product mfg ...	1	8	5	235	7 095	134	255	3 149	22 022	39 814	58 426	1 617
327910	Abrasive product mfg .	1	8	5	235	7 095	134	255	3 149	22 022	39 814	58 426	1 617
32799	All other nonmetallic mineral product mfg ...	1	97	16	1 490	50 595	1 146	2 400	37 118	134 549	109 838	244 209	9 006
327991	Cut stone & stone product mfg	6	41	4	268	6 117	214	416	4 461	11 170	6 960	18 257	503
327992	Ground or treated mineral & earth mfg ..	5	13	2	146	4 454	107	212	2 932	16 598	11 505	28 160	1 279
327993	Mineral wool mfg	—	12	1	458	22 103	381	841	18 166	57 663	37 802	94 890	4 775
327999	All other miscellaneous nonmetallic mineral product mfg	—	31	9	618	17 921	444	931	11 559	49 118	53 571	102 902	2 449
331	Primary metal mfg	—	104	44	5 250	161 401	4 068	8 448	111 451	499 726	628 302	1 101 658	62 077
3311	Iron & steel mills & ferroalloy mfg	—	3	2	e	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	—	3	2	e	D	D	D	D	D	D	D	D
331111	Iron & steel mills	—	3	2	e	D	D	D	D	D	D	D	D

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FLORIDA—Con.												
	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3312	Steel product mfg from purchased steel	-	19	15	1 748	61 887	1 256	2 739	40 714	185 674	255 196	423 705	17 658
33121	Iron & steel pipes & tubes mfg from purchased steel	-	6	5	743	28 320	457	799	16 651	95 604	100 073	177 970	10 670
331210	Iron & steel pipes & tubes mfg from purchased steel	-	6	5	743	28 320	457	799	16 651	95 604	100 073	177 970	10 670
33122	Rolling & drawing of purchased steel	-	13	10	1 005	33 567	799	1 940	24 063	90 070	155 123	245 735	6 988
331222	Steel wire drawing	-	11	10	g	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	-	10	8	1 911	47 523	1 588	3 222	34 602	145 335	195 743	338 625	30 793
33131	Alumina & aluminum production & processing	-	10	8	1 911	47 523	1 588	3 222	34 602	145 335	195 743	338 625	30 793
331316	Aluminum extruded product mfg	-	7	7	1 820	45 538	1 514	3 127	33 139	137 852	180 906	316 118	30 408
3314	Nonferrous metal (except aluminum) production & processing	4	18	7	e	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	5	13	6	268	8 267	186	331	4 805	24 857	24 810	50 525	2 112
331491	Other nonferrous metal rolling, drawing, & extruding	7	8	4	164	4 820	110	169	2 586	13 385	18 397	31 935	1 031
331492	Other nonferrous metal secondary smelting, refining, & alloying	-	5	2	104	3 447	76	162	2 219	11 472	6 413	18 590	1 081
3315	Foundries	1	54	12	974	26 209	770	1 560	19 154	69 429	37 485	106 359	3 744
33151	Ferrous metal foundries	-	18	6	486	13 853	374	803	10 297	43 919	24 287	67 495	2 335
331511	Iron foundries	-	13	3	398	11 833	301	677	8 680	40 542	21 137	60 976	D
33152	Nonferrous metal foundries	1	36	6	488	12 356	396	757	8 857	25 510	13 198	38 864	1 409
331521	Aluminum die-casting foundries	-	4	2	118	3 589	102	187	2 462	5 648	4 354	10 314	628
331524	Aluminum foundries (except die-casting)	1	19	4	288	6 269	227	434	4 680	15 934	4 715	20 526	487
332	Fabricated metal product mfg	1	1 998	451	41 656	1 134 259	30 772	59 859	706 488	2 566 529	2 528 452	5 074 960	145 812
3321	Forging & stamping	1	74	27	3 029	89 400	2 142	4 555	51 258	216 772	259 456	462 339	15 574
33211	Forging & stamping	1	74	27	3 029	89 400	2 142	4 555	51 258	216 772	259 456	462 339	15 574
332114	Custom roll forming	-	15	8	894	30 020	615	1 262	16 820	79 631	155 980	223 511	5 747
332116	Metal stamping	1	46	18	2 044	56 898	1 465	3 175	32 437	131 897	97 054	227 112	9 462
3322	Cutlery & handtool mfg	1	46	9	739	23 720	491	1 000	11 726	69 568	35 283	104 325	3 222
33221	Cutlery & handtool mfg	1	46	9	739	23 720	491	1 000	11 726	69 568	35 283	104 325	3 222
332212	Hand & edge tool mfg	1	31	5	491	16 869	305	645	7 484	51 375	22 139	72 476	1 608
332213	Saw blade & handsaw mfg	-	8	3	163	4 416	112	207	2 387	11 710	9 293	21 410	1 384
3323	Architectural & structural metals mfg	1	640	194	17 257	432 682	12 247	23 970	254 075	1 020 371	1 044 405	2 067 825	40 938
33231	Plate work & fabricated structural product mfg	1	186	63	4 969	132 691	3 548	6 675	75 995	303 555	412 087	713 959	16 307
332311	Prefabricated metal building & component mfg	-	35	13	1 185	29 000	839	1 717	17 299	75 869	102 786	177 845	3 459
332312	Fabricated structural metal mfg	1	123	42	3 089	86 125	2 205	4 166	48 955	197 129	285 949	482 305	11 606
332313	Plate work mfg	1	28	8	695	17 566	504	792	9 741	30 557	23 352	53 809	1 242
33232	Ornamental & architectural metal products mfg	1	454	131	12 288	299 991	8 699	17 295	178 080	716 816	632 318	1 353 866	24 631
332321	Metal window & door mfg	-	126	44	5 245	122 612	3 481	7 116	68 509	308 726	322 944	634 778	6 895
332322	Sheet metal work mfg	1	211	72	5 048	134 601	3 638	7 117	81 984	300 428	249 027	550 040	14 526
332323	Ornamental & architectural metal work mfg	1	117	15	1 995	42 778	1 580	3 062	27 587	107 662	60 347	169 048	3 210
3324	Boiler, tank, & shipping container mfg	-	56	24	2 088	84 858	1 723	3 562	64 978	165 534	521 939	687 847	10 775
33241	Power boiler & heat exchanger mfg	5	12	4	281	8 340	200	417	5 157	14 570	12 852	27 502	722
332410	Power boiler & heat exchanger mfg	5	12	4	281	8 340	200	417	5 157	14 570	12 852	27 502	722
33242	Metal tank (heavy gauge) mfg	-	16	9	443	13 880	360	758	9 377	28 054	29 241	57 127	761
332420	Metal tank (heavy gauge) mfg	-	16	9	443	13 880	360	758	9 377	28 054	29 241	57 127	761
33243	Metal can, box, & other metal container (light gauge) mfg	-	28	11	1 364	62 638	1 163	2 387	50 444	122 910	479 846	603 218	9 292
332431	Metal can mfg	-	15	8	1 106	56 170	957	2 087	46 027	111 870	461 029	573 412	8 696
332439	Other metal container mfg	3	13	3	258	6 468	206	300	4 417	11 040	18 817	29 806	596

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3325	Hardware mfg.....	1	47	15	1 576	40 078	1 290	2 485	24 092	93 001	54 216	148 339	3 596
33251	Hardware mfg.....	1	47	15	1 576	40 078	1 290	2 485	24 092	93 001	54 216	148 339	3 596
332510	Hardware mfg.....	1	47	15	1 576	40 078	1 290	2 485	24 092	93 001	54 216	148 339	3 596
3326	Spring & wire product mfg .	—	50	9	1 511	31 975	1 198	1 854	21 265	102 329	85 260	191 260	4 484
33261	Spring & wire product mfg .	—	50	9	1 511	31 975	1 198	1 854	21 265	102 329	85 260	191 260	4 484
332612	Spring (light gauge) mfg .	—	50	9	1 511	31 975	1 198	1 854	21 265	102 329	85 260	191 260	4 484
332618	Other fabricated wire product mfg.....	1	12	4	194	7 797	149	291	4 818	21 660	15 950	37 641	887
3327	Machine shops, turned product, & screw, nut, & bolt mfg .	2	704	91	7 556	205 983	5 884	10 334	138 698	386 065	189 786	573 171	36 858
33271	Machine shops.....	2	627	69	5 569	151 262	4 345	7 229	102 547	282 127	123 282	402 950	27 696
332710	Machine shops.....	2	627	69	5 569	151 262	4 345	7 229	102 547	282 127	123 282	402 950	27 696
33272	Turned product & screw, nut, & bolt mfg .	1	77	22	1 987	54 721	1 539	3 105	36 151	103 938	66 504	170 221	9 162
332721	Precision turned product mfg .	1	57	18	1 423	37 024	1 091	2 270	25 125	71 408	45 844	116 408	6 498
332722	Bolt, nut, screw, rivet, & washer mfg .	—	20	4	564	17 697	448	835	11 026	32 530	20 660	53 813	2 664
3328	Coating, engraving, heat treating, & allied activities.	3	170	30	1 867	51 039	1 451	2 867	33 429	111 606	50 724	161 626	7 305
33281	Coating, engraving, heat treating, & allied activities.	3	170	30	1 867	51 039	1 451	2 867	33 429	111 606	50 724	161 626	7 305
332812	Metal coating/ engraving (exc jewelry/silverware)/ allied services.....	2	69	11	732	18 649	585	1 126	13 754	47 995	29 342	76 961	3 560
332813	Electroplating, plating, polishing, anodizing, & coloring.....	3	92	18	1 050	29 496	808	1 608	17 943	53 514	19 443	72 897	3 276
3329	Other fabricated metal product mfg.....	1	211	52	6 033	174 524	4 346	9 232	106 967	401 283	287 383	678 228	23 060
33291	Metal valve mfg.....	—	36	14	2 213	72 772	1 466	3 296	36 642	175 141	115 713	282 573	11 947
332911	Industrial valve mfg .	—	9	4	662	24 220	454	994	12 730	52 985	48 790	100 951	3 785
332912	Fluid power valve & hose fitting mfg .	—	17	7	1 326	42 568	856	1 967	20 219	106 522	52 082	151 653	7 122
332919	Other metal valve & pipe fitting mfg .	6	9	2	c	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	1	175	38	3 820	101 752	2 880	5 936	70 325	226 142	171 670	395 655	11 113
332993	Ammunition (except small arms) mfg .	—	3	3	673	15 876	446	1 045	11 607	36 733	20 972	58 199	1 332
332994	Small arms mfg .	3	8	3	110	2 465	88	139	1 590	7 641	2 688	10 416	376
332995	Other ordnance & accessories mfg .	—	4	1	c	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg .	1	15	3	241	6 237	191	357	4 432	10 955	7 508	18 810	684
332999	All other miscellaneous fabricated metal product mfg.....	1	126	27	2 543	67 485	1 946	3 992	45 587	149 331	118 215	269 701	8 141
333	Machinery mfg.....	1	957	268	26 743	909 449	16 034	31 957	417 187	1 872 722	1 652 664	3 521 496	135 256
3331	Agriculture, construction, & mining machinery mfg .	1	81	16	1 505	39 181	1 140	1 988	24 707	119 611	114 912	240 530	5 426
33311	Agricultural implement mfg .	4	36	6	582	13 589	462	820	9 714	21 544	27 174	52 823	2 436
333111	Farm machinery & equipment mfg .	3	31	3	313	8 760	237	487	6 025	20 787	21 103	42 597	1 933
333112	Lawn & garden tractor & home lawn & garden equipment mfg .	5	5	3	269	4 829	225	333	3 689	757	6 071	10 226	503
33312	Construction machinery mfg .	2	34	5	527	15 320	365	691	9 067	33 963	37 573	72 899	1 800
333120	Construction machinery mfg .	2	34	5	527	15 320	365	691	9 067	33 963	37 573	72 899	1 800
33313	Mining & oil & gas field machinery mfg .	—	11	5	396	10 272	313	477	5 926	64 104	50 165	114 808	1 190
333131	Mining machinery & equipment mfg .	—	8	4	e	D	D	D	D	D	D	D	D
333132	Oil & gas field machinery & equipment mfg .	—	3	1	c	D	D	D	D	D	D	D	D

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3332	Industrial machinery mfg ..	1	112	36	2 761	104 164	1 530	3 198	43 127	255 268	183 739	437 338	25 765
33322	Plastics & rubber industry machinery mfg	1	11	3	146	4 661	104	188	2 559	13 156	10 151	22 489	340
333220	Plastics & rubber industry machinery mfg	1	11	3	146	4 661	104	188	2 559	13 156	10 151	22 489	340
33329	Other industrial machinery mfg	1	97	32	2 584	98 328	1 408	2 972	40 032	239 904	170 661	409 670	25 363
333291	Paper industry machinery mfg	—	12	3	269	11 374	136	329	4 716	21 570	15 350	36 717	1 115
333293	Printing machinery & equipment mfg	—	16	4	359	12 701	216	412	5 545	22 860	26 710	49 711	443
333294	Food product machinery mfg	1	15	5	441	20 634	201	387	6 496	58 563	18 708	76 828	4 544
333295	Semiconductor machinery mfg	—	3	3	254	12 445	59	132	1 482	41 078	26 398	64 637	2 840
333298	All other industrial machinery mfg	2	44	16	1 187	38 327	745	1 599	20 213	90 588	79 258	172 142	16 190
3333	Commercial & service industry machinery mfg ..	1	145	49	8 305	300 549	3 849	8 115	94 647	456 549	456 225	957 965	52 072
33331	Commercial & service industry machinery mfg	1	145	49	8 305	300 549	3 849	8 115	94 647	456 549	456 225	957 965	52 072
333311	Automatic vending machine mfg	2	6	2	102	3 050	66	124	1 204	4 716	6 914	12 224	D
333312	Commercial laundry, drycleaning, & pressing machine mfg	—	5	3	653	15 168	548	1 467	11 040	15 154	69 874	83 244	D
333313	Office machinery mfg ..	—	9	4	708	18 261	472	1 076	8 611	38 258	89 273	132 787	681
333314	Optical instrument & lens mfg	—	23	8	1 400	38 586	958	1 828	18 924	201 048	96 297	288 411	27 476
333315	Photographic & photocopying equipment mfg	7	17	3	218	6 008	152	272	3 304	14 107	10 360	24 860	1 270
333319	Other commercial & service industry machinery mfg	1	85	29	5 224	219 476	1 653	3 348	51 564	183 266	183 507	416 439	22 464
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	3	73	31	2 468	63 929	1 794	3 334	32 786	142 353	165 097	307 219	10 148
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	3	73	31	2 468	63 929	1 794	3 334	32 786	142 353	165 097	307 219	10 148
333411	Air purification equipment mfg	—	15	4	483	10 781	393	805	5 782	21 422	36 935	58 142	3 277
333412	Industrial & commercial fan & blower mfg	2	7	5	343	10 472	275	513	4 922	21 395	21 069	42 617	2 516
333414	Heating equipment (except warm air furnaces) mfg	2	11	3	201	6 040	103	170	2 199	14 940	8 779	23 808	456
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	4	40	19	1 441	36 636	1 023	1 846	19 883	84 596	98 314	182 652	3 899
3335	Metalworking machinery mfg	2	236	39	3 022	100 805	2 213	4 239	66 355	198 187	95 235	290 413	12 171
33351	Metalworking machinery mfg	2	236	39	3 022	100 805	2 213	4 239	66 355	198 187	95 235	290 413	12 171
333511	Industrial mold mfg ...	1	71	10	883	33 427	653	1 357	23 229	50 442	18 975	68 036	3 011
333514	Special die & tool, die set, jig, & fixture mfg ..	2	104	12	929	29 662	729	1 294	20 251	59 968	18 707	78 039	4 428
333515	Cutting tool & machine tool accessory mfg ..	2	41	11	691	17 696	511	898	12 201	32 654	20 394	52 846	2 561
333518	Other metalworking machinery mfg	3	10	3	353	14 416	215	466	7 809	42 376	28 992	71 982	1 874
3336	Engine, turbine, & power transmission equipment mfg	—	39	7	811	37 432	586	1 049	25 919	92 962	120 567	163 560	2 194
33361	Engine, turbine, & power transmission equipment mfg	—	39	7	811	37 432	586	1 049	25 919	92 962	120 567	163 560	2 194
333611	Turbine & turbine generator set unit mfg	—	4	1	e	D	D	D	D	D	D	D	9
333612	Speed changer, industrial high-speed drive, & gear mfg	1	7	3	c	D	D	D	D	D	D	D	960
333618	Other engine equipment mfg	2	19	2	204	6 848	152	253	4 149	18 226	18 847	37 324	965

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3339	Other general-purpose machinery mfg	1	271	90	7 871	263 389	4 922	10 034	129 646	607 792	516 889	1 124 471	27 480
33391	Pump & compressor mfg	3	37	12	715	23 660	392	709	10 208	70 361	65 171	137 068	3 446
333911	Pump & pumping equipment mfg	3	21	7	510	17 353	281	537	7 557	53 792	51 814	107 538	2 918
333912	Air & gas compressor mfg	3	14	5	c	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	1	86	22	1 651	54 412	1 054	2 229	28 759	148 078	170 778	318 292	5 943
333921	Elevator & moving stairway mfg	2	15	3	251	6 385	175	318	3 807	11 688	10 017	21 890	167
333922	Conveyor & conveying equipment mfg	1	32	10	655	19 616	387	769	10 263	35 864	39 610	74 787	2 350
333923	Overhead traveling crane, hoist, & monorail system mfg	3	19	4	242	7 573	172	309	4 339	14 768	13 839	28 666	447
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	—	20	5	503	20 838	320	833	10 350	85 758	107 312	192 949	2 979
33399	All other general-purpose machinery mfg	2	148	56	5 505	185 317	3 476	7 096	90 679	389 353	280 940	669 111	18 091
333992	Welding & soldering equipment mfg	5	6	4	662	14 984	552	1 072	9 427	29 181	17 793	46 728	1 284
333993	Packaging machinery mfg	—	36	23	1 770	71 592	973	2 123	29 750	112 067	114 057	230 787	4 320
333995	Fluid power cylinder & actuator mfg	—	5	2	247	8 102	200	405	5 691	18 426	10 112	28 213	D
333996	Fluid power pump & motor mfg	1	7	3	154	4 734	103	192	2 453	9 571	10 381	20 153	D
333997	Scale & balance (except laboratory) mfg	—	5	1	136	3 865	54	135	1 449	7 643	5 680	13 403	220
333999	All other miscellaneous general-purpose machinery mfg	2	80	22	2 477	79 961	1 555	3 095	40 931	208 368	118 848	321 643	11 101
334	Computer & electronic product mfg	—	783	290	68 225	2 744 822	31 383	61 510	794 970	7 332 004	5 425 652	12 800 915	649 231
3341	Computer & peripheral equipment mfg	3	79	26	3 474	144 919	1 483	3 127	46 184	269 809	332 772	528 760	24 243
33411	Computer & peripheral equipment mfg	3	79	26	3 474	144 919	1 483	3 127	46 184	269 809	332 772	528 760	24 243
334111	Electronic computer mfg	1	23	10	1 520	65 781	771	1 689	25 091	64 956	187 006	192 974	9 768
334112	Computer storage device mfg	9	7	2	525	18 925	87	212	2 789	47 124	15 357	52 544	D
334113	Computer terminal mfg	9	7	1	116	7 764	43	93	4 869	13 221	19 735	30 477	D
334119	Other computer peripheral equipment mfg	3	42	13	1 313	52 449	582	1 133	13 435	144 508	110 674	252 765	9 662
3342	Communications equipment mfg	—	145	56	15 973	775 668	6 976	13 612	192 067	2 564 533	2 177 570	4 710 515	109 193
33421	Telephone apparatus mfg	2	37	19	3 801	181 946	1 370	2 542	37 470	496 925	480 415	938 783	37 617
334210	Telephone apparatus mfg	2	37	19	3 801	181 946	1 370	2 542	37 470	496 925	480 415	938 783	37 617
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	68	27	10 091	454 065	4 863	9 719	138 320	1 975 684	1 614 943	3 583 699	52 879
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	68	27	10 091	454 065	4 863	9 719	138 320	1 975 684	1 614 943	3 583 699	52 879
33429	Other communications equipment mfg	1	40	10	2 081	139 657	743	1 351	16 277	91 924	82 212	188 033	18 697
334290	Other communications equipment mfg	1	40	10	2 081	139 657	743	1 351	16 277	91 924	82 212	188 033	18 697
3343	Audio & video equipment mfg	5	27	4	363	11 663	238	531	4 599	24 707	38 165	63 921	2 352
33431	Audio & video equipment mfg	5	27	4	363	11 663	238	531	4 599	24 707	38 165	63 921	2 352
334310	Audio & video equipment mfg	5	27	4	363	11 663	238	531	4 599	24 707	38 165	63 921	2 352

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg	—	251	113	20 018	555 096	12 955	24 299	271 034	1 530 133	1 173 061	2 676 725	354 238
33441	Semiconductor & other electronic component mfg	—	251	113	20 018	555 096	12 955	24 299	271 034	1 530 133	1 173 061	2 676 725	354 238
334411	Electron tube mfg	1	7	1	178	7 501	98	161	2 258	20 920	13 404	32 231	472
334412	Bare printed circuit board mfg	—	65	27	3 555	84 958	2 745	5 652	53 208	234 762	186 183	407 467	15 783
334413	Semiconductor & related device mfg ...	1	30	14	3 481	158 984	2 209	4 367	69 668	514 613	99 498	605 877	225 904
334414	Electronic capacitor mfg	—	7	5	625	14 760	527	1 139	9 360	26 771	23 003	48 979	2 411
334415	Electronic resistor mfg	1	7	6	1 201	25 918	869	1 602	12 236	55 057	22 619	76 909	4 160
334416	Electronic coil, transformer, & other inductor mfg	3	17	9	703	17 781	514	879	7 608	41 961	19 204	61 232	1 064
334417	Electronic connector mfg	1	14	7	930	20 920	667	919	11 599	41 176	27 934	68 736	1 979
334418	Printed circuit assembly (electronic assembly) mfg	—	27	20	5 932	114 528	3 198	5 518	56 135	393 220	639 566	1 030 414	82 909
334419	Other electronic component mfg	—	77	24	3 413	109 746	2 128	4 062	48 962	201 653	141 650	344 880	19 556
3345	Navigational, measuring, medical, & control instruments mfg	—	249	85	27 792	1 239 363	9 258	18 967	268 193	2 902 537	1 677 286	4 753 865	155 507
33451	Navigational, measuring, medical, & control instruments mfg	—	249	85	27 792	1 239 363	9 258	18 967	268 193	2 902 537	1 677 286	4 753 865	155 507
334510	Electromedical & electrotherapeutic apparatus mfg	—	42	17	2 434	82 679	1 208	2 497	30 677	145 552	163 521	325 501	9 198
334511	Search, detection, navigation, & guidance instrument mfg	—	59	26	18 588	919 036	4 578	8 910	142 174	2 291 494	1 107 310	3 554 517	118 905
334512	Automatic environmental control mfg	4	19	3	269	7 490	184	369	4 647	16 844	9 087	26 138	777
334513	Industrial process control instrument mfg	2	21	8	580	22 524	250	489	6 770	50 259	23 523	74 404	1 565
334514	Totalizing fluid meter & counting device mfg .	4	12	5	304	8 295	163	341	3 260	20 793	15 425	36 084	428
334515	Electricity measuring & testing instrument mfg	4	24	8	689	20 985	219	371	5 603	40 519	25 716	67 364	4 013
334516	Analytical laboratory instrument mfg	—	24	9	3 586	146 775	1 717	3 813	58 511	275 411	261 676	535 721	17 600
334519	Other measuring & controlling device mfg	2	35	9	1 284	30 076	910	2 124	15 954	57 348	67 539	126 429	2 840
3346	Mfg & reproducing magnetic & optical media .	2	32	6	605	18 113	473	974	12 893	40 285	26 798	67 129	3 698
33461	Mfg & reproducing magnetic & optical media	2	32	6	605	18 113	473	974	12 893	40 285	26 798	67 129	3 698
334612	Prerecorded CD (except software), tape, & record reproducing	2	23	5	548	16 265	427	877	11 616	36 203	23 175	59 333	2 807
335	Electrical equipment, appliance, & component mfg	1	279	100	11 228	320 339	7 749	14 068	169 837	779 649	613 227	1 398 969	92 980
3351	Electric lighting equipment mfg	2	68	18	1 593	35 170	1 215	2 538	19 317	98 212	52 512	150 511	3 458
33512	Lighting fixture mfg	2	66	18	g	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ...	2	35	12	1 114	20 267	945	2 018	13 172	47 550	26 846	74 073	1 935
335129	Other lighting equipment mfg	2	17	5	368	11 595	200	378	4 408	39 868	16 557	56 658	1 310
3353	Electrical equipment mfg ..	2	110	44	4 286	134 778	2 677	4 728	57 368	305 684	261 446	567 709	21 175
33531	Electrical equipment mfg	2	110	44	4 286	134 778	2 677	4 728	57 368	305 684	261 446	567 709	21 175
335311	Power, distribution, & specialty transformer mfg	3	15	5	850	18 833	691	1 096	12 698	36 699	22 170	59 869	2 847
335312	Motor & generator mfg	7	26	5	357	10 034	268	463	6 109	20 921	18 086	38 297	1 316
335313	Switchgear & switchboard apparatus mfg	1	13	6	708	24 710	461	938	12 004	60 107	60 174	121 883	2 633
335314	Relay & industrial control mfg	1	56	28	2 371	81 201	1 257	2 231	26 557	187 957	161 016	347 660	14 379

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FLORIDA—Con.												
	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3359	Other electrical equipment & component mfg	1	94	38	5 337	150 199	3 848	6 791	93 042	375 290	298 629	679 630	68 314
33591	Battery mfg	—	4	2	g	D	D	D	D	D	D	D	D
335911	Storage battery mfg...	—	4	2	g	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg	—	4	3	f	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg ...	—	4	3	f	D	D	D	D	D	D	D	D
33593	Wiring device mfg	1	33	15	1 857	46 220	1 334	2 627	27 089	142 254	88 620	231 129	13 625
335931	Current-carrying wiring device mfg	1	27	12	1 539	38 487	1 105	2 139	21 247	99 923	57 180	157 121	11 318
335932	Noncurrent-carrying wiring device mfg	1	6	3	318	7 733	229	488	5 842	42 331	31 440	74 008	2 307
33599	All other electrical equipment & component mfg	2	53	18	1 541	44 093	765	1 377	16 825	91 429	75 333	165 962	D
335999	All other miscellaneous electrical equipment & component mfg	2	50	18	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	762	208	38 023	1 322 321	25 184	50 664	637 565	4 429 573	2 612 965	6 903 532	176 001
3362	Motor vehicle body & trailer mfg	1	98	28	4 914	123 611	3 653	7 215	77 689	295 459	382 653	673 537	12 896
33621	Motor vehicle body & trailer mfg	1	98	28	4 914	123 611	3 653	7 215	77 689	295 459	382 653	673 537	12 896
336211	Motor vehicle body mfg	1	36	13	2 885	74 027	2 134	4 414	47 527	204 589	211 752	406 305	6 458
336212	Truck trailer mfg	1	15	4	e	D	D	D	D	D	D	D	D
336213	Motor home mfg	—	1	1	f	D	D	D	D	D	D	D	D
336214	Travel trailer & camper mfg	1	46	10	872	17 537	715	1 247	11 958	37 803	55 860	94 097	1 205
3363	Motor vehicle parts mfg ...	2	196	48	7 062	171 247	5 460	10 490	101 281	393 655	396 169	793 992	39 384
33631	Motor vehicle gasoline engine & engine parts mfg	1	37	7	1 068	28 173	772	1 453	16 003	88 149	78 297	170 333	4 513
336312	Gasoline engine & engine parts mfg	1	34	6	g	D	D	D	D	D	D	D	4 370
33632	Motor vehicle electrical & electronic equipment mfg	2	40	12	1 932	42 558	1 463	2 869	24 691	93 068	95 409	189 891	5 727
336322	Other motor vehicle electrical & electronic equipment mfg	2	37	11	1 854	40 182	1 415	2 767	23 605	86 975	90 524	179 034	5 456
33634	Motor vehicle brake system mfg	—	10	2	350	9 554	269	528	6 575	28 158	29 099	58 012	D
336340	Motor vehicle brake system mfg	—	10	2	350	9 554	269	528	6 575	28 158	29 099	58 012	D
33635	Motor vehicle transmission & power train parts mfg	5	16	1	138	3 204	104	167	1 960	8 131	7 408	15 811	667
336350	Motor vehicle transmission & power train parts mfg	5	16	1	138	3 204	104	167	1 960	8 131	7 408	15 811	667
33636	Motor vehicle seating & interior trim mfg	2	16	3	259	5 615	225	468	4 301	13 355	10 663	24 486	D
336360	Motor vehicle seating & interior trim mfg ...	2	16	3	259	5 615	225	468	4 301	13 355	10 663	24 486	D
33637	Motor vehicle metal stamping	—	14	7	837	21 914	741	1 577	13 352	48 741	44 008	90 885	5 907
336370	Motor vehicle metal stamping	—	14	7	837	21 914	741	1 577	13 352	48 741	44 008	90 885	5 907
33639	Other motor vehicle parts mfg	4	57	16	2 464	59 970	1 874	3 414	34 239	113 501	130 638	243 372	13 995
336391	Motor vehicle air-conditioning mfg	1	6	3	c	D	D	D	D	D	D	D	133
336399	All other motor vehicle parts mfg	4	51	13	g	D	D	D	D	D	D	D	13 862
3364	Aerospace product & parts mfg	—	133	50	14 285	714 653	6 345	13 775	233 791	2 975 538	1 107 694	3 969 825	73 257
33641	Aerospace product & parts mfg	—	133	50	14 285	714 653	6 345	13 775	233 791	2 975 538	1 107 694	3 969 825	73 257
336411	Aircraft mfg	—	30	13	3 993	165 233	1 778	3 936	52 579	673 093	392 180	1 034 540	28 216
336412	Aircraft engine & engine parts mfg	—	34	18	6 824	415 300	2 280	5 215	88 248	1 952 372	512 323	2 395 153	29 965
336413	Other aircraft part & auxiliary equipment mfg	—	64	17	h	D	D	D	D	D	D	D	D
336415	Guided missile & space vehicle propulsion unit & parts mfg	—	2	2	f	D	D	D	D	D	D	D	D

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
	FLORIDA—Con.												
31-33	Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3365	Railroad rolling stock mfg . . .	8	5	3	103	3 536	65	129	2 286	8 472	7 759	16 026	334
33651	Railroad rolling stock mfg	8	5	3	103	3 536	65	129	2 286	8 472	7 759	16 026	334
336510	Railroad rolling stock mfg	8	5	3	103	3 536	65	129	2 286	8 472	7 759	16 026	334
3366	Ship & boat building	1	282	71	11 214	298 317	9 350	18 510	215 974	733 400	690 699	1 399 386	48 564
33661	Ship & boat building	1	282	71	11 214	298 317	9 350	18 510	215 974	733 400	690 699	1 399 386	48 564
336611	Ship building & repairing	3	80	19	2 905	89 578	2 628	4 789	68 734	162 243	99 551	261 794	24 399
336612	Boat building	1	202	52	8 309	208 739	6 722	13 721	147 240	571 157	591 148	1 137 592	24 165
3369	Other transportation equipment mfg	4	35	6	e	D	D	D	D	D	D	D	1 289
33699	Other transportation equipment mfg	4	35	6	e	D	D	D	D	D	D	D	1 289
336991	Motorcycle, bicycle, & parts mfg	8	15	1	c	D	D	D	D	D	D	D	D
336999	All other transportation equipment mfg	2	19	5	c	D	D	D	D	D	D	D	659
337	Furniture & related product mfg	2	1 422	180	18 698	412 674	14 375	26 008	262 784	900 494	815 923	1 707 544	47 032
3371	Household & institutional furniture & kitchen cabinet mfg	2	1 094	97	10 539	225 773	8 438	14 426	149 774	471 635	424 485	896 064	23 557
33711	Wood kitchen cabinet & counter top mfg	4	589	44	4 081	83 574	3 217	5 286	57 104	154 005	118 013	270 958	6 494
337110	Wood kitchen cabinet & counter top mfg	4	589	44	4 081	83 574	3 217	5 286	57 104	154 005	118 013	270 958	6 494
33712	Household & institutional furniture mfg	2	505	53	6 458	142 199	5 221	9 140	92 670	317 630	306 472	625 106	17 063
337121	Upholstered household furniture mfg	4	93	8	816	14 594	711	1 236	11 003	30 131	31 655	61 725	710
337122	Nonupholstered wood household furniture mfg	3	265	16	2 345	44 242	2 082	3 522	34 560	97 562	75 092	174 182	3 897
337124	Metal household furniture mfg	—	31	8	1 079	22 952	888	1 493	14 864	70 282	66 515	138 471	3 569
337125	Household furniture (except wood & metal) mfg	4	44	5	344	6 648	293	540	4 959	13 746	18 325	32 505	880
337127	Institutional furniture mfg	1	65	16	1 852	53 347	1 233	2 315	27 021	105 198	114 168	216 798	7 978
3372	Office furniture (including fixtures) mfg	2	197	44	4 296	104 560	3 173	6 061	65 457	213 291	163 601	370 324	9 379
33721	Office furniture (including fixtures) mfg	2	197	44	4 296	104 560	3 173	6 061	65 457	213 291	163 601	370 324	9 379
337211	Wood office furniture mfg	1	44	5	667	15 702	514	1 033	9 764	38 331	28 075	62 559	1 490
337212	Custom architectural woodwork & millwork mfg	2	43	11	1 178	28 284	780	1 536	16 789	50 339	35 446	85 239	2 876
337214	Office furniture (except wood) mfg	3	23	5	483	11 030	365	599	6 663	26 166	22 140	48 693	1 233
337215	Showcase, partition, shelving, & locker mfg	3	87	23	1 968	49 544	1 514	2 893	32 241	98 455	77 940	173 833	3 780
3379	Other furniture related product mfg	2	131	39	3 863	82 341	2 764	5 521	47 553	215 568	227 837	441 156	14 096
33791	Mattress mfg	2	46	21	2 009	45 035	1 428	2 900	25 719	145 411	138 614	281 647	6 431
337910	Mattress mfg	2	46	21	2 009	45 035	1 428	2 900	25 719	145 411	138 614	281 647	6 431
33792	Blind & shade mfg	1	85	18	1 854	37 306	1 336	2 621	21 834	70 157	89 223	159 509	7 665
337920	Blind & shade mfg	1	85	18	1 854	37 306	1 336	2 621	21 834	70 157	89 223	159 509	7 665
339	Miscellaneous mfg	1	1 915	213	27 851	827 320	18 370	34 002	384 316	2 972 872	1 095 925	4 057 999	142 989
3391	Medical equipment & supplies mfg	1	893	98	17 369	581 134	11 060	21 213	249 182	2 331 502	630 792	2 952 898	108 486
33911	Medical equipment & supplies mfg	1	893	98	17 369	581 134	11 060	21 213	249 182	2 331 502	630 792	2 952 898	108 486
339111	Laboratory apparatus & furniture mfg	3	13	4	140	4 799	81	158	1 844	13 005	7 571	20 758	254
339112	Surgical & medical instrument mfg	—	86	24	6 649	243 326	3 884	7 831	85 989	1 254 125	228 454	1 480 135	37 008
339113	Surgical appliance & supplies mfg	1	114	31	3 122	100 525	1 939	3 452	39 486	255 324	144 310	391 092	15 593
339114	Dental equipment & supplies mfg	6	36	4	372	8 093	291	456	5 159	19 369	9 478	29 168	504
339115	Ophthalmic goods mfg	—	39	14	4 436	163 101	2 912	6 321	79 196	653 955	185 802	838 512	50 382
339116	Dental laboratories	6	605	21	2 650	61 290	1 953	2 995	37 508	135 724	55 177	193 233	4 745

Table 1. Industry Statistics for the State: 1997—Con.

[Includes data for industry groups and industries with 100 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FLORIDA—Con.												
	Manufacturing—Con.												
339	Miscellaneous mfg—Con.												
3399	Other miscellaneous mfg . . .	3	1 022	115	10 482	246 186	7 310	12 789	135 134	641 370	465 133	1 105 101	34 503
33991	Jewelry & silverware mfg	6	196	15	1 247	25 853	889	1 416	14 866	69 503	63 618	134 772	1 531
339911	Jewelry (except costume) mfg	6	132	11	842	17 538	599	862	9 452	46 873	48 795	96 991	1 071
339913	Jewelers' material & lapidary work mfg . . .	8	18	1	148	3 834	109	251	2 691	13 369	10 148	23 391	108
339914	Costume jewelry & novelty mfg	6	38	3	218	3 689	157	266	2 278	7 985	3 838	12 201	306
33992	Sporting & athletic goods mfg	4	175	24	2 038	42 357	1 520	2 496	24 484	108 251	92 320	197 936	5 809
339920	Sporting & athletic goods mfg	4	175	24	2 038	42 357	1 520	2 496	24 484	108 251	92 320	197 936	5 809
33993	Doll, toy, & game mfg . . .	5	33	2	172	3 708	146	233	2 592	9 013	6 167	15 374	336
339932	Game, toy, & children's vehicle mfg	6	23	1	114	2 448	93	146	1 541	6 436	4 749	11 243	D
33994	Office supplies (except paper) mfg	—	48	5	1 114	33 858	694	1 394	17 493	140 538	71 418	212 871	10 074
339941	Pen & mechanical pencil mfg	—	5	3	834	28 173	501	1 041	14 073	129 219	63 921	193 998	D
339943	Marking device mfg . . .	7	34	1	163	3 298	96	181	1 936	6 910	2 822	9 730	D
33995	Sign mfg	3	366	35	3 412	86 177	2 252	4 108	43 186	169 151	119 278	285 717	7 698
339950	Sign mfg	3	366	35	3 412	86 177	2 252	4 108	43 186	169 151	119 278	285 717	7 698
33999	All other miscellaneous mfg	2	204	34	2 499	54 233	1 809	3 142	32 513	144 914	112 332	258 431	9 055
339991	Gasket, packing, & sealing device mfg . . .	—	15	3	358	9 411	234	488	5 106	39 312	35 416	74 265	1 907
339992	Musical instrument mfg	4	15	2	100	2 775	76	157	1 772	5 719	2 993	8 923	1 108
339994	Broom, brush, & mop mfg	2	13	3	184	4 042	145	264	2 300	9 044	7 934	16 889	464
339999	All other miscellaneous mfg	3	146	25	1 748	36 037	1 263	2 064	21 773	86 006	63 069	150 603	4 742

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 2. Industry Statistics for Metropolitan Areas: 1997

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DAYTONA BEACH, FL MSA												
	Manufacturing	1	434	92	11 776	309 106	8 545	15 577	185 029	792 836	698 095	1 473 229	53 307
311	Food mfg	5	21	4	360	8 160	266	529	5 595	41 330	37 377	78 738	D
321	Wood product mfg	4	21	5	274	7 710	200	370	4 348	14 612	14 848	29 399	614
323	Printing & related support activities	1	64	8	891	20 163	682	1 045	13 536	52 591	33 024	85 005	7 767
3231	Printing & related support activities	1	64	8	891	20 163	682	1 045	13 536	52 591	33 024	85 005	7 767
32311	Printing	1	57	7	840	19 296	645	1 006	12 926	50 651	32 624	82 618	7 626
323110	Commercial lithographic printing . .	1	30	6	634	15 404	496	776	10 594	43 357	27 667	70 428	5 754
325	Chemical mfg	3	14	6	746	20 589	409	774	8 870	68 795	77 640	144 224	3 639
3255	Paint, coating, & adhesive mfg	4	4	2	287	8 953	183	347	4 807	34 830	39 169	74 195	2 484
3256	Soap, cleaning compound, & toilet preparation mfg . .	1	5	3	362	10 154	181	340	3 413	28 435	31 048	57 221	1 002
32562	Toilet preparation mfg	—	2	2	e	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	—	2	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	DAYTONA BEACH, FL MSA—Con.												
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg	4	25	6	583	12 402	419	805	8 179	26 674	24 680	51 138	4 702
3261	Plastics product mfg	4	21	6	550	11 778	389	749	7 617	24 180	23 168	47 128	4 652
32619	Other plastics product mfg	4	17	5	491	10 776	339	680	6 822	20 528	18 444	38 748	4 161
326199	All other plastics product mfg	4	13	5	477	10 433	326	655	6 578	19 697	17 930	37 398	4 124
327	Nonmetallic mineral product mfg	—	26	7	318	8 032	246	419	5 239	22 860	25 402	47 608	1 270
3273	Cement & concrete product mfg	—	15	6	260	6 692	196	343	4 358	19 788	23 812	42 910	1 107
332	Fabricated metal product mfg	—	55	8	1 394	42 489	982	2 095	27 742	102 816	104 405	203 677	4 821
3321	Forging & stamping	—	3	1	e	D	D	D	D	D	D	D	D
33211	Forging & stamping	—	3	1	e	D	D	D	D	D	D	D	D
332116	Metal stamping	—	3	1	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	—	10	3	285	7 823	177	382	4 441	26 092	42 582	68 927	993
3329	Other fabricated metal product mfg	—	7	4	696	23 909	496	1 064	15 548	46 909	52 435	95 751	2 632
33299	All other fabricated metal product mfg	—	6	4	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	5	3	f	D	D	D	D	D	D	D	D
333	Machinery mfg	—	31	7	793	24 520	461	843	11 354	62 941	47 352	112 747	2 517
3339	Other general-purpose machinery mfg	—	12	5	564	18 192	333	641	8 430	42 507	32 121	75 760	2 209
33399	All other general-purpose machinery mfg	—	8	4	e	D	D	D	D	D	D	D	2 158
333999	All other miscellaneous general-purpose machinery mfg	—	3	2	e	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	25	11	1 829	49 326	1 297	2 341	22 129	102 515	151 093	237 724	4 293
3342	Communications equipment mfg	—	1	1	e	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	1	1	e	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	1	1	e	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	—	16	9	1 484	39 561	1 044	2 006	17 605	97 220	128 566	212 182	D
33441	Semiconductor & other electronic component mfg	—	16	9	1 484	39 561	1 044	2 006	17 605	97 220	128 566	212 182	D
334412	Bare printed circuit board mfg	—	4	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	—	5	4	294	10 102	253	336	4 497	13 568	57 471	71 249	1 777
335	Electrical equipment, appliance, & component mfg	2	9	5	857	18 992	705	1 309	12 792	41 228	20 786	62 677	3 144
3359	Other electrical equipment & component mfg	—	4	4	635	16 065	545	1 154	10 890	34 956	14 415	49 805	D
33593	Wiring device mfg	—	2	2	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	—	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	30	10	1 670	45 132	1 327	2 408	31 522	132 802	106 456	238 985	6 286
3363	Motor vehicle parts mfg ...	2	14	4	596	13 110	425	628	7 847	29 135	22 410	52 593	1 998
33631	Motor vehicle gasoline engine & engine parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg	—	3	1	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	7	4	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	—	7	4	f	D	D	D	D	D	D	D	D
336612	Boat building	—	6	4	f	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DAYTONA BEACH, FL MSA—Con.												
	Manufacturing—Con.												
339	Miscellaneous mfg.....	2	51	6	1 540	41 717	1 157	1 991	27 381	103 327	37 343	143 341	10 072
3391	Medical equipment & supplies mfg.....	1	20	3	1 088	32 439	833	1 530	22 344	83 513	24 109	110 220	8 902
33911	Medical equipment & supplies mfg.....	1	20	3	1 088	32 439	833	1 530	22 344	83 513	24 109	110 220	8 902
339112	Surgical & medical instrument mfg.....	—	3	3	g	D	D	D	D	D	D	D	8 734
3399	Other miscellaneous mfg ..	5	31	3	452	9 278	324	461	5 037	19 814	13 234	33 121	1 170
33999	All other miscellaneous mfg.....	8	5	2	268	4 747	200	257	2 617	9 764	6 544	16 317	D
339999	All other miscellaneous mfg.....	8	4	2	e	D	D	D	D	D	D	D	D
	FORT MYERS—CAPE CORAL, FL MSA												
31-33	Manufacturing	3	357	64	5 363	141 129	3 904	7 347	85 578	388 859	350 373	741 763	22 213
311	Food mfg.....	5	10	4	534	11 764	459	970	9 365	84 273	89 540	173 431	5 366
3118	Bakeries & tortilla mfg.....	—	3	1	e	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg.....	—	3	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	5	66	6	481	11 524	329	533	6 207	22 429	16 839	39 840	1 287
3231	Printing & related support activities.....	5	66	6	481	11 524	329	533	6 207	22 429	16 839	39 840	1 287
32311	Printing.....	5	61	6	466	11 137	315	508	5 914	21 743	16 479	38 794	1 240
327	Nonmetallic mineral product mfg.....	1	27	9	537	16 245	442	1 071	12 456	44 895	35 514	80 726	2 882
3273	Cement & concrete product mfg.....	1	19	9	510	15 675	419	1 037	12 046	43 355	34 278	77 934	2 733
332	Fabricated metal product mfg.....	1	40	7	740	24 146	489	862	11 034	44 968	36 575	81 817	2 208
3323	Architectural & structural metals mfg.....	1	18	3	357	9 395	243	400	4 804	18 105	15 148	33 176	838
333	Machinery mfg.....	5	18	6	583	16 618	418	883	9 894	50 445	31 985	80 916	2 704
3339	Other general-purpose machinery mfg.....	4	9	4	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg.....	4	8	4	462	13 973	329	731	8 365	43 966	24 671	66 944	2 298
333999	All other miscellaneous general-purpose machinery mfg.....	4	8	4	462	13 973	329	731	8 365	43 966	24 671	66 944	2 298
334	Computer & electronic product mfg.....	3	11	4	316	7 672	243	407	3 443	13 472	6 841	20 374	802
336	Transportation equipment mfg.....	—	13	5	276	7 371	211	438	4 937	11 421	15 059	26 719	743
337	Furniture & related product mfg.....	4	32	5	369	6 751	276	424	4 328	13 657	12 333	25 993	843
3371	Household & institutional furniture & kitchen cabinet mfg.....	3	27	4	292	4 899	219	322	3 178	9 776	9 475	19 270	D
339	Miscellaneous mfg.....	3	63	4	666	16 192	467	717	12 331	44 783	28 348	74 143	2 242
3391	Medical equipment & supplies mfg.....	1	27	1	411	10 056	272	420	8 680	32 217	15 577	48 727	1 575
33911	Medical equipment & supplies mfg.....	1	27	1	411	10 056	272	420	8 680	32 217	15 577	48 727	1 575
339112	Surgical & medical instrument mfg.....	—	3	1	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	6	36	3	255	6 136	195	297	3 651	12 566	12 771	25 416	667

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
FORT PIERCE—PORT ST. LUCIE, FL MSA													
31-33	Manufacturing	1	296	60	5 504	161 830	3 910	7 822	108 870	524 036	588 176	1 097 837	61 487
311	Food mfg	—	17	9	918	25 635	751	1 412	18 130	155 279	288 889	443 530	36 986
3114	Fruit & vegetable preserving & specialty food mfg	—	7	6	699	20 464	554	1 098	14 024	143 943	229 344	372 543	35 171
31141	Frozen food mfg	—	2	2	e	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg	—	2	2	e	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	—	5	4	e	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	—	5	4	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	43	4	422	10 959	307	533	6 799	21 510	13 679	35 086	3 348
3231	Printing & related support activities	3	43	4	422	10 959	307	533	6 799	21 510	13 679	35 086	3 348
32311	Printing	3	40	4	400	10 392	289	499	6 381	20 469	13 584	33 951	D
323110	Commercial lithographic printing ..	3	21	3	287	7 953	209	382	4 882	16 209	10 066	26 107	3 032
326	Plastics & rubber products mfg	4	16	6	489	12 540	404	750	9 034	32 346	42 350	75 446	3 425
3261	Plastics product mfg	4	15	6	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	1	19	7	407	9 988	325	675	7 837	27 625	30 095	57 627	1 381
3273	Cement & concrete product mfg	1	11	6	352	8 887	279	588	6 901	24 313	25 956	50 071	1 224
332	Fabricated metal product mfg	3	38	5	310	9 345	229	429	6 195	19 160	11 598	31 083	3 561
336	Transportation equipment mfg	1	29	11	1 713	61 329	1 037	2 532	44 361	188 817	131 585	306 538	8 969
3364	Aerospace product & parts mfg	—	6	4	1 307	50 866	740	2 000	37 999	163 561	104 868	255 942	D
33641	Aerospace product & parts mfg	—	6	4	1 307	50 866	740	2 000	37 999	163 561	104 868	255 942	D
336413	Other aircraft part & auxiliary equipment mfg	—	2	1	g	D	D	D	D	D	D	D	D
3366	Ship & boat building	4	15	5	275	7 107	224	395	4 975	16 586	15 570	30 744	464
33661	Ship & boat building	4	15	5	275	7 107	224	395	4 975	16 586	15 570	30 744	464
339	Miscellaneous mfg	2	29	3	254	5 422	194	302	3 012	14 659	7 651	22 761	440
FORT WALTON BEACH, FL MSA													
31-33	Manufacturing	1	133	27	3 448	81 516	2 301	4 073	42 146	167 705	131 976	296 471	11 746
315	Apparel mfg	—	7	4	f	D	D	D	D	D	D	D	242
3152	Cut & sew apparel mfg	—	7	4	f	D	D	D	D	D	D	D	242
31522	Men's & boys' cut & sew apparel mfg	—	4	3	e	D	D	D	D	D	D	D	D
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	22	4	290	6 004	228	316	3 888	12 641	9 643	21 773	1 180
334	Computer & electronic product mfg	—	11	7	1 116	30 914	523	1 013	11 038	60 538	32 576	94 448	1 501
3345	Navigational, measuring, medical, & control instruments mfg	—	6	3	825	24 247	434	840	9 844	46 183	27 230	73 941	1 129
33451	Navigational, measuring, medical, & control instruments mfg	—	6	3	825	24 247	434	840	9 844	46 183	27 230	73 941	1 129
334511	Search, detection, navigation, & guidance instrument mfg	—	3	3	786	22 715	418	809	9 378	43 698	25 959	70 123	1 063
335	Electrical equipment, appliance, & component mfg	—	4	1	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	—	2	1	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	—	2	1	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg	—	2	1	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	FORT WALTON BEACH, FL MSA—Con.												
	Manufacturing—Con.												
336	Transportation equipment mfg.....	-	10	2	390	10 878	266	670	4 975	31 837	15 486	45 766	1 831
3364	Aerospace product & parts mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
	GAINESVILLE, FL MSA												
31-33	Manufacturing	1	151	42	5 251	157 142	4 196	7 589	112 601	458 286	546 942	1 010 325	73 181
321	Wood product mfg.....	-	10	6	605	17 828	528	1 200	14 787	50 533	73 656	124 298	4 546
3212	Veneer, plywood, & engineered wood product mfg.....	-	4	3	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg.....	-	4	3	e	D	D	D	D	D	D	D	D
321212	Softwood veneer & plywood mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	4	20	4	253	6 613	166	312	4 067	13 799	9 017	22 709	1 267
3231	Printing & related support activities.....	4	20	4	253	6 613	166	312	4 067	13 799	9 017	22 709	1 267
325	Chemical mfg.....	6	6	4	409	17 619	228	365	6 609	76 325	74 092	152 958	11 848
3251	Basic chemical mfg.....	6	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	15	5	403	17 015	344	713	14 004	23 979	124 202	148 290	2 425
333	Machinery mfg.....	-	9	4	366	9 131	294	390	5 561	58 834	46 010	105 266	1 077
335	Electrical equipment, appliance, & component mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
33591	Battery mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
335911	Storage battery mfg....	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	4	6	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building.....	4	4	2	f	D	D	D	D	D	D	D	D
33661	Ship & boat building.....	4	4	2	f	D	D	D	D	D	D	D	D
336612	Boat building.....	4	4	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	1	33	6	497	14 368	317	608	6 095	46 500	25 814	67 549	4 822
3391	Medical equipment & supplies mfg.....	2	20	4	276	9 117	174	321	3 439	34 427	15 756	45 686	4 544
33911	Medical equipment & supplies mfg.....	2	20	4	276	9 117	174	321	3 439	34 427	15 756	45 686	4 544
	JACKSONVILLE, FL MSA												
31-33	Manufacturing	-	950	271	33 883	1 118 980	24 207	48 734	673 363	4 477 096	3 952 694	8 408 441	317 141
311	Food mfg.....	-	53	19	3 016	85 294	1 853	3 975	47 442	733 356	667 918	1 401 069	16 336
3116	Meat product mfg.....	3	6	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing.....	3	6	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing.....	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	-	24	4	979	27 608	351	785	9 220	74 761	33 578	108 265	3 845
31181	Bread & bakery product mfg.....	-	23	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries.....	-	7	4	898	26 719	292	727	8 735	72 529	32 453	104 905	D
3119	Other food mfg.....	-	7	3	f	D	D	D	D	D	D	D	D
31192	Coffee & tea mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
311920	Coffee & tea mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg.....	-	10	8	2 952	109 685	1 881	3 451	66 694	821 996	479 819	1 299 665	68 445
3121	Beverage mfg.....	-	9	7	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg.....	-	6	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg.....	-	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries.....	-	2	1	g	D	D	D	D	D	D	D	D
312120	Breweries.....	-	2	1	g	D	D	D	D	D	D	D	D
31214	Distilleries.....	-	1	1	e	D	D	D	D	D	D	D	D
312140	Distilleries.....	-	1	1	e	D	D	D	D	D	D	D	D
3122	Tobacco mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
31222	Tobacco product mfg....	-	1	1	f	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	JACKSONVILLE, FL MSA—Con.												
	Manufacturing—Con.												
315	Apparel mfg	—	14	2	482	8 548	377	840	7 395	24 469	9 058	29 861	D
3152	Cut & sew apparel mfg	—	7	2	e	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	—	2	1	e	D	D	D	D	D	D	D	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	—	1	1	e	D	D	D	D	D	D	D	D
321	Wood product mfg	—	32	9	661	18 880	502	1 075	11 102	54 770	127 174	181 443	4 539
3211	Sawmills & wood preservation	—	9	4	354	11 357	277	641	7 201	42 333	107 373	149 163	4 215
32111	Sawmills & wood preservation	—	9	4	354	11 357	277	641	7 201	42 333	107 373	149 163	4 215
321113	Sawmills	—	6	2	e	D	D	D	D	D	D	D	D
322	Paper mfg	—	28	22	3 500	146 986	2 796	5 877	102 734	505 946	660 339	1 174 409	45 677
3221	Pulp, paper, & paperboard mills	—	4	4	g	D	D	D	D	D	D	D	D
32211	Pulp mills	—	1	1	e	D	D	D	D	D	D	D	D
322110	Pulp mills	—	1	1	e	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	3	3	g	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	3	3	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	—	24	18	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	12	10	884	33 196	682	1 318	17 964	74 455	114 702	188 976	6 841
322211	Corrugated & solid fiber box mfg	—	6	4	417	15 578	307	667	9 348	29 434	68 131	97 303	2 773
322212	Folding paperboard box mfg	—	2	2	e	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	1	8	5	e	D	D	D	D	D	D	D	D
322224	Uncoated paper & multiwall bag mfg	—	2	1	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg	—	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916
322232	Envelope mfg	—	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916
323	Printing & related support activities	2	161	35	2 147	57 909	1 508	2 778	33 782	135 141	84 764	219 525	7 066
3231	Printing & related support activities	2	161	35	2 147	57 909	1 508	2 778	33 782	135 141	84 764	219 525	7 066
32311	Printing	2	143	29	1 836	49 736	1 264	2 306	28 028	117 604	80 630	197 853	6 037
323110	Commercial lithographic printing	2	60	16	911	28 438	605	1 194	15 435	56 594	31 726	88 216	2 467
32312	Support activities for printing	4	18	6	311	8 173	244	472	5 754	17 537	4 134	21 672	1 029
325	Chemical mfg	1	43	14	1 471	58 382	962	2 066	31 210	375 348	357 316	732 305	24 674
3251	Basic chemical mfg	—	9	3	425	25 469	258	581	12 286	112 006	130 245	239 966	16 280
32519	Other basic organic chemical mfg	—	5	3	401	24 667	236	539	11 652	110 813	128 289	236 768	16 203
325199	All other basic organic chemical mfg	—	5	3	401	24 667	236	539	11 652	110 813	128 289	236 768	16 203
3256	Soap, cleaning compound, & toilet preparation mfg	8	8	3	502	12 825	395	832	8 743	92 429	47 684	140 629	D
32562	Toilet preparation mfg	9	3	1	e	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	9	3	1	e	D	D	D	D	D	D	D	D
3259	Other chemical product mfg	—	15	5	327	12 194	174	362	5 276	50 944	76 452	127 037	3 274
326	Plastics & rubber products mfg	—	42	16	1 060	31 717	790	1 506	17 566	99 196	157 091	252 448	5 765
3261	Plastics product mfg	—	32	13	879	24 881	724	1 387	15 835	78 353	146 646	222 540	D
32619	Other plastics product mfg	6	17	5	284	6 508	210	356	3 649	9 964	10 414	20 291	767
326199	All other plastics product mfg	6	15	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	57	18	2 917	86 377	2 340	4 697	63 987	235 569	282 333	509 641	20 970
3272	Glass & glass product mfg	—	4	2	g	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	—	4	2	g	D	D	D	D	D	D	D	D
327213	Glass container mfg	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	—	3	1	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	—	40	13	1 234	31 140	896	1 544	17 689	78 559	81 044	158 485	5 647
32732	Ready-mix concrete mfg	—	20	6	353	9 715	251	524	6 590	24 696	42 063	66 833	530
327320	Ready-mix concrete mfg	—	20	6	353	9 715	251	524	6 590	24 696	42 063	66 833	530
32739	Other concrete product mfg	—	14	5	750	18 750	560	869	9 408	45 369	30 553	74 162	4 578
327390	Other concrete product mfg	—	14	5	750	18 750	560	869	9 408	45 369	30 553	74 162	4 578

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	JACKSONVILLE, FL MSA—Con.												
	Manufacturing—Con.												
327	Nonmetallic mineral product mfg—Con.												
3274	Lime & gypsum product mfg	-	2	2	f	D	D	D	D	D	D	D	D
32742	Gypsum product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
327420	Gypsum product mfg..	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	11	9	1 583	52 121	1 289	3 028	38 469	153 888	242 254	390 317	25 497
3311	Iron & steel mills & ferroalloy mfg	-	1	1	e	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	-	1	1	e	D	D	D	D	D	D	D	D
331111	Iron & steel mills	-	1	1	e	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
33122	Rolling & drawing of purchased steel	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
331222	Steel wire drawing	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
3313	Alumina & aluminum production & processing ..	-	1	1	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing ..	-	1	1	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	139	42	4 260	116 729	3 114	6 143	70 872	275 242	336 869	602 494	19 809
3321	Forging & stamping	-	3	2	e	D	D	D	D	D	D	D	1 256
33211	Forging & stamping	-	3	2	e	D	D	D	D	D	D	D	1 256
332114	Custom roll forming ...	-	2	2	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	57	24	2 456	59 176	1 786	3 522	34 882	140 450	139 908	279 502	9 953
33231	Plate work & fabricated structural product mfg ..	1	23	9	746	17 334	571	911	10 670	37 847	59 300	96 845	5 045
332312	Fabricated structural metal mfg	1	16	7	541	13 820	387	710	8 296	33 387	55 668	88 866	4 396
33232	Ornamental & architectural metal products mfg.....	-	34	15	1 710	41 842	1 215	2 611	24 212	102 603	80 608	182 657	4 908
332321	Metal window & door mfg	-	6	3	754	17 482	468	1 040	8 595	46 997	31 063	77 727	903
332322	Sheet metal work mfg .	-	16	10	744	18 494	586	1 245	11 960	38 968	42 061	80 820	3 389
3324	Boiler, tank, & shipping container mfg	-	6	4	319	16 701	256	600	13 068	25 451	121 671	146 469	4 560
3327	Machine shops, turned product, & screw, nut, & bolt mfg	4	44	4	e	D	D	D	D	D	D	D	D
33271	Machine shops.....	4	42	4	385	11 417	299	516	7 701	20 314	8 465	28 478	993
332710	Machine shops.....	4	42	4	385	11 417	299	516	7 701	20 314	8 465	28 478	993
3329	Other fabricated metal product mfg.....	1	13	4	276	7 399	182	363	3 892	19 670	12 025	31 382	1 299
333	Machinery mfg	3	64	22	1 688	55 769	1 082	2 173	29 020	133 293	96 313	232 199	7 247
3331	Agriculture, construction, & mining machinery mfg....	1	12	5	269	8 088	182	361	4 602	31 824	17 613	49 371	861
3332	Industrial machinery mfg ..	7	11	4	300	11 919	154	322	5 343	23 082	19 811	42 609	1 289
33329	Other industrial machinery mfg	7	11	4	300	11 919	154	322	5 343	23 082	19 811	42 609	1 289
3333	Commercial & service industry machinery mfg ..	3	10	4	528	17 353	305	732	10 796	38 201	29 915	70 907	1 580
33331	Commercial & service industry machinery mfg	3	10	4	528	17 353	305	732	10 796	38 201	29 915	70 907	1 580
333319	Other commercial & service industry machinery mfg	3	8	4	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	5	2	254	8 053	226	416	3 708	15 981	16 566	32 724	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	5	2	254	8 053	226	416	3 708	15 981	16 566	32 724	D
334	Computer & electronic product mfg.....	2	23	4	387	15 058	249	527	6 647	25 659	17 723	43 400	2 932
335	Electrical equipment, appliance, & component mfg	2	14	6	476	11 078	335	488	5 077	36 027	34 374	68 595	2 977

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	JACKSONVILLE, FL MSA—Con.												
31-33	Manufacturing—Con.												
336	Transportation equipment mfg	2	44	12	2 340	77 205	1 926	3 658	52 302	149 094	111 519	261 593	22 826
3364	Aerospace product & parts mfg	—	8	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	8	2	e	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg	—	1	1	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	2	18	7	1 736	56 095	1 591	2 955	43 105	103 582	74 335	177 425	D
33661	Ship & boat building	2	18	7	1 736	56 095	1 591	2 955	43 105	103 582	74 335	177 425	D
336611	Ship building & repairing	2	13	6	g	D	D	D	D	D	D	D	D
336612	Boat building	—	5	1	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	—	67	11	1 216	32 256	955	1 728	19 249	75 509	60 381	133 924	7 287
3371	Household & institutional furniture & kitchen cabinet mfg	1	48	6	717	19 477	550	930	10 630	34 913	29 439	63 708	4 772
33712	Household & institutional furniture mfg	1	23	3	513	14 438	381	688	7 958	24 756	24 097	49 040	4 497
337127	Institutional furniture mfg	—	6	3	437	12 817	310	585	6 909	21 886	20 789	42 595	4 348
3372	Office furniture (including fixtures) mfg	—	13	3	e	D	D	D	D	D	D	D	778
33721	Office furniture (including fixtures) mfg	—	13	3	e	D	D	D	D	D	D	D	778
339	Miscellaneous mfg	—	112	17	3 226	142 603	1 851	3 912	61 624	605 474	155 456	765 814	32 609
3391	Medical equipment & supplies mfg	—	56	9	2 719	131 070	1 522	3 346	55 882	557 905	128 642	690 508	29 773
33911	Medical equipment & supplies mfg	—	56	9	2 719	131 070	1 522	3 346	55 882	557 905	128 642	690 508	29 773
339113	Surgical appliance & supplies mfg	—	7	3	f	D	D	D	D	D	D	D	D
339115	Ophthalmic goods mfg	—	2	1	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	2	56	8	507	11 533	329	566	5 742	47 569	26 814	75 306	2 836
	LAKELAND-WINTER HAVEN, FL MSA												
31-33	Manufacturing	1	480	186	20 627	633 493	15 251	31 605	382 152	2 587 357	3 444 036	5 999 926	190 651
311	Food mfg	1	34	25	5 136	150 278	3 775	7 845	88 947	791 191	874 904	1 662 342	56 915
3114	Fruit & vegetable preserving & specialty food mfg	1	13	13	3 063	93 376	2 319	4 970	55 095	573 780	598 046	1 173 531	D
31141	Frozen food mfg	—	8	8	1 174	39 526	937	2 235	26 671	209 047	283 774	504 551	18 952
311411	Frozen fruit, juice, & vegetable mfg	—	8	8	1 174	39 526	937	2 235	26 671	209 047	283 774	504 551	18 952
31142	Fruit & vegetable canning, pickling, & drying	1	5	5	1 889	53 850	1 382	2 735	28 424	364 733	314 272	668 980	D
311421	Fruit & vegetable canning	1	5	5	1 889	53 850	1 382	2 735	28 424	364 733	314 272	668 980	D
3116	Meat product mfg	9	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	9	2	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	9	1	1	f	D	D	D	D	D	D	D	D
3117	Seafood product preparation & packaging ..	—	2	1	f	D	D	D	D	D	D	D	D
31171	Seafood product preparation & packaging	—	2	1	f	D	D	D	D	D	D	D	D
311712	Fresh & frozen seafood processing ..	—	2	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	—	5	2	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	—	5	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	—	2	2	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	4	2	e	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	4	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	LAKELAND-WINTER HAVEN, FL MSA—Con.												
	Manufacturing—Con.												
321	Wood product mfg	—	26	17	1 747	42 438	1 480	2 874	28 277	86 153	168 137	251 789	3 144
3212	Veneer, plywood, & engineered wood product mfg	1	9	8	e	D	D	D	D	D	D	D	1 268
32121	Veneer, plywood, & engineered wood product mfg	1	9	8	e	D	D	D	D	D	D	D	1 268
321214	Truss mfg	—	8	8	e	D	D	D	D	D	D	D	D
3219	Other wood product mfg	—	16	8	1 219	31 242	1 057	1 994	21 538	56 279	96 550	152 100	D
32192	Wood container & pallet mfg	2	6	4	e	D	D	D	D	D	D	D	D
321920	Wood container & pallet mfg	2	6	4	e	D	D	D	D	D	D	D	D
32199	All other wood product mfg	—	8	3	738	21 151	653	1 187	13 613	40 025	45 983	86 478	318
321991	Manufactured home (mobile home) mfg	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper mfg	—	9	6	568	20 410	425	1 035	12 707	44 177	96 830	141 270	1 638
3222	Converted paper product mfg	—	9	6	568	20 410	425	1 035	12 707	44 177	96 830	141 270	1 638
32221	Paperboard container mfg	—	6	6	549	19 437	413	1 009	12 386	42 826	95 344	138 390	1 483
322211	Corrugated & solid fiber box mfg	—	5	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	1	55	9	636	14 112	463	805	9 000	36 604	36 268	72 935	3 620
3231	Printing & related support activities	1	55	9	636	14 112	463	805	9 000	36 604	36 268	72 935	3 620
32311	Printing	1	51	8	f	D	D	D	D	D	D	D	D
325	Chemical mfg	—	44	28	3 483	146 251	2 503	5 474	92 775	1 013 199	1 619 873	2 610 630	71 854
3251	Basic chemical mfg	2	5	4	251	12 463	113	251	4 165	35 628	49 753	86 621	2 999
3253	Pesticide, fertilizer, & other agricultural chemical mfg	—	20	15	h	D	D	D	D	D	D	D	60 701
32531	Fertilizer mfg	—	19	14	h	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg	—	8	8	2 269	97 490	1 793	3 939	69 304	746 761	1 211 090	1 937 995	54 268
325314	Fertilizer (mixing only) mfg	—	10	6	271	9 289	171	383	4 418	77 088	170 037	244 322	D
326	Plastics & rubber products mfg	—	42	20	1 047	23 710	851	1 467	16 196	73 644	77 847	151 748	6 955
3261	Plastics product mfg	—	37	18	992	22 054	805	1 356	14 900	68 992	73 680	142 902	6 867
32619	Other plastics product mfg	—	18	9	490	10 501	407	606	6 713	34 183	31 118	64 975	3 213
326199	All other plastics product mfg	—	17	9	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	35	9	1 266	43 069	901	2 019	26 040	91 595	85 449	177 831	12 109
3271	Clay product & refractory mfg	—	4	1	e	D	D	D	D	D	D	D	D
32712	Clay building material & refractories mfg	—	2	1	e	D	D	D	D	D	D	D	D
327122	Ceramic wall & floor tile mfg	—	2	1	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	—	23	5	537	16 393	360	858	8 828	38 878	41 012	77 039	2 563
32739	Other concrete product mfg	—	7	3	321	9 479	240	606	5 668	23 120	21 596	43 530	1 128
327390	Other concrete product mfg	—	7	3	321	9 479	240	606	5 668	23 120	21 596	43 530	1 128
331	Primary metal mfg	—	5	2	e	D	D	D	D	D	D	D	881
3312	Steel product mfg from purchased steel	—	3	2	e	D	D	D	D	D	D	D	D
33121	Iron & steel pipes & tubes mfg from purchased steel	—	2	2	e	D	D	D	D	D	D	D	D
331210	Iron & steel pipes & tubes mfg from purchased steel	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	71	23	1 519	41 091	1 063	2 037	22 642	87 197	97 929	184 304	4 757
3321	Forging & stamping	5	5	2	250	6 112	156	368	2 656	18 070	17 794	35 318	D
33211	Forging & stamping	5	5	2	250	6 112	156	368	2 656	18 070	17 794	35 318	D
3323	Architectural & structural metals mfg	1	24	12	685	19 808	436	848	9 911	43 327	57 177	99 261	1 042
33231	Plate work & fabricated structural product mfg	—	12	6	466	13 325	280	532	5 953	27 545	39 024	65 646	584

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	LAKELAND-WINTER HAVEN, FL MSA—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3327	Machine shops, turned product, & screw, nut, & bolt mfg	3	24	6	365	9 167	294	479	6 164	14 784	11 545	26 602	1 120
33271	Machine shops	3	24	6	365	9 167	294	479	6 164	14 784	11 545	26 602	1 120
332710	Machine shops	3	24	6	365	9 167	294	479	6 164	14 784	11 545	26 602	1 120
333	Machinery mfg	—	39	13	1 183	42 571	764	1 564	17 504	106 514	85 517	192 384	9 792
3332	Industrial machinery mfg ..	—	8	4	395	20 674	146	280	5 094	66 098	32 261	98 628	5 507
33329	Other industrial machinery mfg	—	7	4	e	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	2	2	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	2	2	e	D	D	D	D	D	D	D	D
333411	Air purification equipment mfg	—	2	2	e	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	1	16	4	251	9 070	174	351	4 739	14 636	16 112	31 458	967
334	Computer & electronic product mfg	4	10	5	731	20 201	527	1 440	12 360	37 643	81 282	116 140	2 626
3345	Navigational, measuring, medical, & control instruments mfg	—	4	3	406	10 525	310	930	6 858	17 413	36 498	54 263	D
33451	Navigational, measuring, medical, & control instruments mfg	—	4	3	406	10 525	310	930	6 858	17 413	36 498	54 263	D
334519	Other measuring & controlling device mfg	1	2	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	2	19	8	1 247	36 861	931	2 180	21 736	79 151	86 967	166 053	7 427
3363	Motor vehicle parts mfg ...	3	6	4	998	30 438	759	1 840	18 498	63 648	66 448	130 399	D
33639	Other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	1	21	5	377	9 103	287	529	4 978	21 049	27 600	47 300	698
339	Miscellaneous mfg	3	39	9	629	13 232	455	818	8 073	32 121	24 021	55 842	2 577
3391	Medical equipment & supplies mfg	4	14	4	328	7 509	247	455	4 565	19 297	14 105	33 068	2 344
33911	Medical equipment & supplies mfg	4	14	4	328	7 509	247	455	4 565	19 297	14 105	33 068	2 344
3399	Other miscellaneous mfg ..	1	25	5	301	5 723	208	363	3 508	12 824	9 916	22 774	233
	MELBOURNE-TITUSVILLE-PALM BAY, FL MSA												
31-33	Manufacturing	—	494	113	20 832	753 861	10 572	20 154	260 783	1 855 675	1 522 730	3 450 723	105 557
321	Wood product mfg	—	10	6	339	7 636	259	457	4 555	15 224	47 843	63 978	D
3212	Veneer, plywood, & engineered wood product mfg	1	4	4	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg	1	4	4	e	D	D	D	D	D	D	D	D
321214	Truss mfg	1	4	4	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	5	57	4	316	6 083	208	286	3 689	11 974	7 548	19 473	619
3231	Printing & related support activities	5	57	4	316	6 083	208	286	3 689	11 974	7 548	19 473	619
32311	Printing	5	55	4	e	D	D	D	D	D	D	D	D
325	Chemical mfg	5	19	4	321	8 867	195	336	3 978	18 289	23 936	42 402	1 903
326	Plastics & rubber products mfg	5	26	8	516	8 103	382	589	5 561	17 590	16 346	34 048	1 308
3261	Plastics product mfg	4	23	7	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	5	15	6	430	6 312	313	482	4 331	12 418	11 692	24 200	1 076
326199	All other plastics product mfg	4	13	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	1	28	5	316	7 696	195	383	4 458	20 938	20 440	40 998	504

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
31-33	MELBOURNE-TITUSVILLE-PALM BAY, FL MSA—Con.													
	Manufacturing—Con.													
331	Primary metal mfg	—	2	2	e	D	D	D	D	D	D	D	D	
3313	Alumina & aluminum production & processing	—	1	1	e	D	D	D	D	D	D	D	D	
33131	Alumina & aluminum production & processing	—	1	1	e	D	D	D	D	D	D	D	D	
331316	Aluminum extruded product mfg	—	1	1	e	D	D	D	D	D	D	D	D	
332	Fabricated metal product mfg	2	83	20		1 359	36 903	1 040	1 957	25 402	84 870	35 390	119 115	4 619
3323	Architectural & structural metals mfg	6	22	7		347	10 336	256	534	6 197	19 717	12 417	31 835	618
33232	Ornamental & architectural metal products mfg	5	18	6		282	8 246	202	435	4 936	14 933	8 909	23 857	393
332322	Sheet metal work mfg	5	15	6		263	7 661	190	408	4 600	13 724	8 027	21 767	330
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	36	8		586	15 475	435	753	10 716	27 430	11 746	38 333	2 404
33271	Machine shops	1	32	7		506	12 904	367	586	8 913	23 033	8 892	30 985	2 114
332710	Machine shops	1	32	7		506	12 904	367	586	8 913	23 033	8 892	30 985	2 114
333	Machinery mfg	1	27	12		1 255	33 166	865	1 711	18 845	66 352	109 535	182 526	3 159
3333	Commercial & service industry machinery mfg	—	3	3	f	D	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	3	3	f	D	D	D	D	D	D	D	D	D
333313	Office machinery mfg	—	1	1	f	D	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	70	29		11 111	438 572	4 415	8 436	105 423	845 463	815 882	1 728 596	52 871
3341	Computer & peripheral equipment mfg	—	10	4		329	13 905	160	361	4 071	7 726	54 620	60 412	2 031
33411	Computer & peripheral equipment mfg	—	10	4		329	13 905	160	361	4 071	7 726	54 620	60 412	2 031
3342	Communications equipment mfg	3	14	6	f	D	D	D	D	D	D	D	D	2 032
33422	Radio & TV broadcasting & wireless communications equipment mfg	2	7	4		480	17 791	307	619	6 277	28 255	19 588	47 800	1 600
334220	Radio & TV broadcasting & wireless communications equipment mfg	2	7	4		480	17 791	307	619	6 277	28 255	19 588	47 800	1 600
3344	Semiconductor & other electronic component mfg	—	23	10		3 085	95 117	2 361	4 563	51 155	149 608	112 693	260 733	D
33441	Semiconductor & other electronic component mfg	—	23	10		3 085	95 117	2 361	4 563	51 155	149 608	112 693	260 733	D
334412	Bare printed circuit board mfg	—	6	3	f	D	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg	—	3	2	g	D	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg	—	1	1	f	D	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	—	21	8		7 035	303 803	1 522	2 761	42 659	642 133	616 549	1 329 815	D
33451	Navigational, measuring, medical, & control instruments mfg	—	21	8		7 035	303 803	1 522	2 761	42 659	642 133	616 549	1 329 815	D
334511	Search, detection, navigation, & guidance instrument mfg	—	9	4	i	D	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	14	5		516	20 322	177	327	4 065	42 591	17 388	60 449	2 424
3353	Electrical equipment mfg	—	6	2	e	D	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	—	6	2	e	D	D	D	D	D	D	D	D	D
335314	Relay & industrial control mfg	—	4	2	e	D	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MELBOURNE-TITUSVILLE-PALM BAY, FL MSA—Con.												
	Manufacturing—Con.												
336	Transportation equipment mfg	—	27	9	3 639	158 881	1 983	4 138	68 460	663 853	357 274	1 019 377	28 327
3364	Aerospace product & parts mfg	—	4	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	4	3	g	D	D	D	D	D	D	D	D
336411	Aircraft mfg	—	1	1	g	D	D	D	D	D	D	D	D
336415	Guided missile & space vehicle propulsion unit & parts mfg	—	2	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	11	4	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	—	11	4	f	D	D	D	D	D	D	D	D
336612	Boat building	—	8	4	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	21	5	263	5 828	220	425	4 086	11 168	9 050	20 284	403
339	Miscellaneous mfg	7	69	2	293	7 225	210	344	4 038	13 793	9 955	24 037	707
	MIAMI-FORT LAUDERDALE, FL CMSA												
31-33	Manufacturing	2	4 998	1 034	103 525	2 779 157	72 878	136 753	1 505 919	8 144 903	6 170 550	14 312 230	391 065
311	Food mfg	2	395	56	5 797	149 274	3 611	6 265	71 654	539 881	552 430	1 090 384	27 995
312	Beverage & tobacco product mfg	2	36	14	g	D	D	D	D	D	D	D	10 315
313	Textile mills	3	100	24	g	D	D	D	D	D	D	D	D
314	Textile product mills	2	191	36	3 567	58 394	3 010	4 880	38 336	119 727	109 478	228 198	4 801
315	Apparel mfg	2	493	152	11 373	177 986	9 733	16 348	129 555	432 869	403 945	824 531	11 187
316	Leather & allied product mfg .	—	36	13	h	D	D	D	D	D	D	D	D
321	Wood product mfg	2	79	24	g	D	D	D	D	D	D	D	D
322	Paper mfg	3	55	19	1 571	43 388	1 232	2 306	28 398	114 034	123 689	233 751	15 704
323	Printing & related support activities	3	752	94	9 179	255 392	6 630	11 726	155 606	513 641	341 380	853 680	46 693
325	Chemical mfg	3	145	39	3 130	119 663	1 743	3 341	61 462	452 436	325 961	798 694	30 737
326	Plastics & rubber products mfg	3	189	64	5 154	123 586	3 931	7 614	78 074	317 528	264 160	583 393	20 072
327	Nonmetallic mineral product mfg	1	185	64	4 019	118 705	2 967	6 468	79 926	289 490	302 546	596 350	23 389
331	Primary metal mfg	2	21	10	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	495	114	10 215	274 018	7 682	15 121	173 861	585 895	460 820	1 051 358	28 441
333	Machinery mfg	2	247	59	5 185	160 668	3 708	7 294	86 944	354 921	305 490	656 943	20 662
334	Computer & electronic product mfg	—	197	63	13 260	504 293	6 327	12 731	173 803	1 555 234	1 181 900	2 749 463	64 136
335	Electrical equipment, appliance, & component mfg	2	83	25	2 469	62 209	1 707	3 229	29 524	152 415	110 277	261 554	5 859
336	Transportation equipment mfg	2	212	39	4 595	130 762	3 496	6 669	86 289	290 082	342 832	626 377	16 552
337	Furniture & related product mfg	3	530	68	7 301	165 859	5 453	10 097	102 400	322 605	310 051	628 152	16 265
339	Miscellaneous mfg	1	546	55	8 233	243 236	5 175	9 655	91 471	1 292 845	279 459	1 562 694	29 579

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Fort Lauderdale, FL PMSA												
31-33	Manufacturing	2	1 967	371	37 134	1 115 367	24 291	45 582	551 428	3 288 934	2 506 538	5 788 324	162 827
311	Food mfg	6	89	16	1 278	26 431	858	1 406	13 363	82 466	78 086	160 471	4 881
3116	Meat product mfg	4	12	3	257	6 544	168	317	3 270	17 127	24 486	41 794	1 234
31161	Animal slaughtering & processing	4	12	3	257	6 544	168	317	3 270	17 127	24 486	41 794	1 234
3118	Bakeries & tortilla mfg	8	52	7	528	9 883	346	500	5 167	27 430	16 957	44 402	D
31181	Bread & bakery product mfg	7	46	6	e	D	D	D	D	D	D	D	1 115
311812	Commercial bakeries	7	18	4	292	5 884	173	270	2 893	14 939	7 224	22 162	731
312	Beverage & tobacco product mfg	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
3121	Beverage mfg	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
31211	Soft drink & ice mfg	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
312111	Soft drink mfg	1	5	3	e	D	D	D	D	D	D	D	D
314	Textile product mills	3	65	6	625	13 322	511	918	8 570	23 423	19 597	42 901	1 051
3149	Other textile product mills	3	45	5	406	9 207	328	595	5 780	18 330	13 281	31 442	659
315	Apparel mfg	4	79	8	771	12 595	659	974	8 618	34 018	21 276	54 184	966
3152	Cut & sew apparel mfg	4	56	5	513	8 800	430	658	5 924	22 749	15 126	36 739	557
321	Wood product mfg	1	34	9	613	13 713	456	870	8 849	29 113	30 339	59 411	1 071
3212	Veneer, plywood, & engineered wood product mfg	—	8	4	292	6 829	226	445	4 232	15 031	15 772	30 838	506
32121	Veneer, plywood, & engineered wood product mfg	—	8	4	292	6 829	226	445	4 232	15 031	15 772	30 838	506
321214	Truss mfg	—	5	4	e	D	D	D	D	D	D	D	D
3219	Other wood product mfg	2	25	5	e	D	D	D	D	D	D	D	D
32191	Millwork	2	14	5	260	5 684	186	339	3 759	10 947	11 922	22 795	458
322	Paper mfg	2	18	4	276	8 451	226	425	5 486	22 727	14 096	35 852	4 034
3222	Converted paper product mfg	2	18	4	276	8 451	226	425	5 486	22 727	14 096	35 852	4 034
323	Printing & related support activities	3	311	33	3 332	104 540	2 272	4 164	60 453	219 073	126 926	345 962	24 917
3231	Printing & related support activities	3	311	33	3 332	104 540	2 272	4 164	60 453	219 073	126 926	345 962	24 917
32311	Printing	2	273	29	3 026	93 963	2 049	3 717	53 892	200 267	119 313	319 527	23 733
323110	Commercial lithographic printing	1	117	18	1 890	64 260	1 289	2 395	37 436	140 373	81 692	221 270	20 090
323114	Quick printing	2	88	3	457	11 942	287	495	6 674	17 240	17 240	44 380	1 525
32312	Support activities for printing	7	38	4	306	10 577	223	447	6 561	18 806	7 613	26 435	1 184
323122	Prepress services	7	28	4	258	9 414	181	363	5 646	16 513	7 202	23 728	648
325	Chemical mfg	6	55	13	827	29 060	514	1 027	14 580	104 738	84 392	194 137	6 075
3259	Other chemical product mfg	5	12	4	254	7 957	172	309	4 854	27 135	31 268	58 721	1 622
326	Plastics & rubber products mfg	3	84	28	2 411	58 992	1 784	3 454	36 611	124 937	116 260	241 460	9 597
3261	Plastics product mfg	3	69	22	2 036	48 775	1 518	2 964	30 692	105 683	99 524	204 311	9 032
32619	Other plastics product mfg	2	51	20	1 648	36 270	1 210	2 163	22 621	75 950	54 458	129 344	6 093
326199	All other plastics product mfg	2	44	17	1 502	32 973	1 117	1 991	20 860	69 927	49 317	118 141	5 909
3262	Rubber product mfg	1	15	6	375	10 217	266	490	5 919	19 254	16 736	37 149	565
32629	Other rubber product mfg	—	5	3	252	7 442	175	327	4 172	13 490	8 488	22 990	331
327	Nonmetallic mineral product mfg	2	81	30	1 762	50 301	1 325	2 770	32 474	116 082	136 786	252 748	11 016
3272	Glass & glass product mfg	5	19	4	253	5 695	188	397	3 834	11 857	16 034	28 028	709
32721	Glass & glass product mfg	5	19	4	253	5 695	188	397	3 834	11 857	16 034	28 028	709
327215	Glass product mfg made of purchased glass	5	18	4	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	1	39	21	1 169	36 356	888	1 859	23 219	77 102	94 163	171 677	8 729
32732	Ready-mix concrete mfg	—	16	10	376	13 187	312	736	9 599	33 248	54 749	88 332	6 299
327320	Ready-mix concrete mfg	—	16	10	376	13 187	312	736	9 599	33 248	54 749	88 332	6 299
32739	Other concrete product mfg	3	17	9	649	17 782	479	908	10 429	29 559	28 504	57 772	1 702
327390	Other concrete product mfg	3	17	9	649	17 782	479	908	10 429	29 559	28 504	57 772	1 702
3279	Other nonmetallic mineral product mfg	—	11	4	256	6 526	195	417	4 316	24 043	24 034	47 428	1 152

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MIAMI-FORT LAUDERDALE, FL CMSA—Con. Fort Lauderdale, FL PMSA—Con. Manufacturing—Con.												
332	Fabricated metal product mfg.....	1	241	52	4 192	126 372	3 069	5 971	78 822	252 896	221 131	476 940	15 328
3321	Forging & stamping.....	3	12	5	337	13 015	274	609	9 218	27 202	23 206	50 264	1 162
33211	Forging & stamping.....	3	12	5	337	13 015	274	609	9 218	27 202	23 206	50 264	1 162
332116	Metal stamping.....	2	7	4	263	11 039	224	518	7 948	22 039	15 785	37 570	898
3323	Architectural & structural metals mfg.....	—	70	21	1 801	51 250	1 190	2 234	28 576	105 744	120 347	229 846	4 913
33231	Plate work & fabricated structural product mfg..	—	19	5	440	14 256	268	553	7 329	31 706	53 455	86 278	1 169
332312	Fabricated structural metal mfg.....	—	13	3	292	10 039	168	343	5 099	19 774	38 310	58 991	870
33232	Ornamental & architectural metal products mfg.....	1	51	16	1 361	36 994	922	1 681	21 247	74 038	66 892	143 568	3 744
332321	Metal window & door mfg.....	1	12	5	396	9 699	247	444	4 800	18 873	26 224	45 946	812
332322	Sheet metal work mfg.....	1	25	10	865	24 584	610	1 129	15 128	49 687	36 906	88 455	2 769
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	2	86	14	1 076	32 549	851	1 669	22 087	56 597	33 355	89 069	4 726
33271	Machine shops.....	3	72	8	493	14 505	381	705	9 626	26 103	12 292	37 981	1 858
332710	Machine shops.....	3	72	8	493	14 505	381	705	9 626	26 103	12 292	37 981	1 858
33272	Turned product & screw, nut, & bolt mfg.....	—	14	6	583	18 044	470	964	12 461	30 494	21 063	51 088	2 868
332722	Bolt, nut, screw, rivet, & washer mfg.....	—	4	2	e	D	D	D	D	D	D	D	2 039
3328	Coating, engraving, heat treating, & allied activities.	3	23	6	293	7 528	240	464	5 050	14 747	5 119	19 909	697
33281	Coating, engraving, heat treating, & allied activities.....	3	23	6	293	7 528	240	464	5 050	14 747	5 119	19 909	697
3329	Other fabricated metal product mfg.....	2	26	4	408	14 195	295	573	8 513	31 272	26 447	57 770	3 083
333	Machinery mfg.....	2	116	35	3 288	110 181	2 343	4 789	56 205	257 789	188 708	443 154	15 078
3332	Industrial machinery mfg ..	1	12	3	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg.....	1	10	2	277	10 568	172	315	4 263	16 526	23 667	39 902	D
3333	Commercial & service industry machinery mfg ..	1	23	8	893	30 627	590	1 176	10 874	93 376	51 409	141 111	6 887
33331	Commercial & service industry machinery mfg.....	1	23	8	893	30 627	590	1 176	10 874	93 376	51 409	141 111	6 887
333314	Optical instrument & lens mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg.....	2	13	3	312	14 800	142	282	3 790	38 631	27 870	65 822	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	4	11	5	366	10 126	274	561	5 824	29 455	30 790	60 232	2 295
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	4	11	5	366	10 126	274	561	5 824	29 455	30 790	60 232	2 295
333415	AC & warm air heating & commercial/ industrial refrig equip mfg.....	4	7	5	333	9 516	250	533	5 456	28 018	29 423	57 408	2 228
3335	Metalworking machinery mfg.....	1	35	5	541	21 381	397	862	14 440	52 170	27 037	79 447	2 442
33351	Metalworking machinery mfg.....	1	35	5	541	21 381	397	862	14 440	52 170	27 037	79 447	2 442
3339	Other general-purpose machinery mfg.....	6	29	13	1 107	33 182	827	1 709	17 801	55 920	43 365	99 786	2 341
33399	All other general-purpose machinery mfg.....	5	16	8	856	23 667	677	1 404	13 176	32 717	23 649	56 576	1 410
333992	Welding & soldering equipment mfg.....	9	2	2	e	D	D	D	D	D	D	D	D
333993	Packaging machinery mfg.....	—	3	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Fort Lauderdale, FL PMSA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg.....	—	116	46	8 218	308 797	3 533	6 526	86 937	1 201 079	808 956	2 011 274	40 332
3341	Computer & peripheral equipment mfg.....	2	11	7	1 122	51 042	215	481	5 559	122 902	74 241	186 943	6 505
33411	Computer & peripheral equipment mfg.....	2	11	7	1 122	51 042	215	481	5 559	122 902	74 241	186 943	6 505
334111	Electronic computer mfg.....	—	6	4	508	28 062	110	235	2 286	62 559	46 630	108 596	D
334112	Computer storage device mfg.....	9	3	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg.....	—	25	10	h	D	D	D	D	D	D	D	14 358
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	—	11	4	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	—	11	4	h	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	2	39	16	g	D	D	D	D	D	D	D	14 547
33441	Semiconductor & other electronic component mfg.....	2	39	16	g	D	D	D	D	D	D	D	14 547
334412	Bare printed circuit board mfg.....	2	13	4	270	6 729	198	328	3 756	13 516	7 331	20 868	D
334418	Printed circuit assembly (electronic assembly) mfg.....	1	6	6	1 627	23 676	532	690	10 620	28 350	45 059	79 418	9 364
3345	Navigational, measuring, medical, & control instruments mfg.....	—	30	10	1 284	53 393	611	1 123	16 234	142 556	93 191	246 966	3 855
33451	Navigational, measuring, medical, & control instruments mfg.....	—	30	10	1 284	53 393	611	1 123	16 234	142 556	93 191	246 966	3 855
334511	Search, detection, navigation, & guidance instrument mfg.....	—	8	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	1	37	12	1 255	36 646	737	1 328	14 548	88 375	61 149	148 076	3 304
3351	Electric lighting equipment mfg.....	1	11	3	284	9 355	144	279	3 066	30 966	12 433	43 283	1 110
33512	Lighting fixture mfg.....	1	11	3	284	9 355	144	279	3 066	30 966	12 433	43 283	1 110
3353	Electrical equipment mfg ..	1	10	5	533	17 531	360	665	8 071	41 775	29 222	69 837	1 299
33531	Electrical equipment mfg.....	1	10	5	533	17 531	360	665	8 071	41 775	29 222	69 837	1 299
335314	Relay & industrial control mfg.....	1	5	4	467	15 457	310	568	6 799	37 433	24 962	61 179	918
3359	Other electrical equipment & component mfg.....	1	15	4	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg.....	1	10	3	282	6 779	120	172	1 972	10 094	16 155	26 085	D
335999	All other miscellaneous electrical equipment & component mfg.....	1	9	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	2	108	17	1 768	51 223	1 439	2 692	35 084	129 185	99 787	224 632	4 662
3363	Motor vehicle parts mfg ...	3	29	5	599	13 741	493	819	8 431	28 182	29 279	57 079	2 622
33639	Other motor vehicle parts mfg.....	3	12	3	437	9 790	364	620	6 008	20 299	20 375	40 266	1 828
336399	All other motor vehicle parts mfg.....	3	11	3	e	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg.....	—	19	5	387	15 241	276	522	8 583	49 222	32 071	80 590	1 033
33641	Aerospace product & parts mfg.....	—	19	5	387	15 241	276	522	8 583	49 222	32 071	80 590	1 033
336412	Aircraft engine & engine parts mfg.....	—	10	4	294	11 632	214	412	6 582	39 468	26 580	63 270	D
3366	Ship & boat building.....	3	48	7	713	20 640	616	1 255	16 986	49 065	33 313	79 107	792
33661	Ship & boat building.....	3	48	7	713	20 640	616	1 255	16 986	49 065	33 313	79 107	792
336612	Boat building.....	2	31	6	529	13 825	460	913	10 886	34 741	26 314	57 784	475

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Fort Lauderdale, FL PMSA—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg	4	219	23	2 976	75 655	2 173	4 102	43 839	146 989	153 206	296 232	7 960
3371	Household & institutional furniture & kitchen cabinet mfg	3	164	9	1 099	28 463	747	1 310	14 868	57 044	70 307	126 054	3 289
33711	Wood kitchen cabinet & counter top mfg	6	64	2	310	5 954	245	373	4 321	11 147	8 176	19 355	422
337110	Wood kitchen cabinet & counter top mfg ...	6	64	2	310	5 954	245	373	4 321	11 147	8 176	19 355	422
33712	Household & institutional furniture mfg	2	100	7	789	22 509	502	937	10 547	45 897	62 131	106 699	2 867
337122	Nonupholstered wood household furniture mfg	6	60	2	268	4 995	236	393	3 961	8 412	7 049	15 498	401
337127	Institutional furniture mfg	1	14	4	422	15 389	183	390	5 021	34 013	49 959	82 498	2 208
3372	Office furniture (including fixtures) mfg	4	34	8	927	27 483	710	1 493	17 303	58 836	47 780	103 536	3 103
33721	Office furniture (including fixtures) mfg	4	34	8	927	27 483	710	1 493	17 303	58 836	47 780	103 536	3 103
337215	Showcase, partition, shelving, & locker mfg	5	16	4	427	14 171	332	704	9 270	25 139	21 124	45 302	1 089
3379	Other furniture related product mfg	6	21	6	950	19 709	716	1 299	11 668	31 109	35 119	66 642	1 568
33791	Mattress mfg	9	6	3	567	11 325	405	705	6 486	20 508	20 182	40 794	1 202
337910	Mattress mfg	9	6	3	567	11 325	405	705	6 486	20 508	20 182	40 794	1 202
33792	Blind & shade mfg	1	15	3	383	8 384	311	594	5 182	10 601	14 937	25 848	366
337920	Blind & shade mfg	1	15	3	383	8 384	311	594	5 182	10 601	14 937	25 848	366
339	Miscellaneous mfg	4	253	29	2 594	62 471	1 876	3 129	34 164	161 686	111 247	271 863	7 412
3391	Medical equipment & supplies mfg	3	115	9	1 049	24 689	779	1 161	13 797	67 046	30 827	98 368	4 890
33911	Medical equipment & supplies mfg	3	115	9	1 049	24 689	779	1 161	13 797	67 046	30 827	98 368	4 890
339113	Surgical appliance & supplies mfg	1	13	1	265	5 320	222	189	2 363	15 200	7 305	22 672	839
339115	Ophthalmic goods mfg	—	6	3	263	5 854	193	379	4 169	18 879	9 045	27 958	D
339116	Dental laboratories ...	6	84	2	297	7 411	212	352	4 574	18 746	6 111	25 035	583
3399	Other miscellaneous mfg ..	4	138	20	1 545	37 782	1 097	1 968	20 367	94 640	80 420	173 495	2 522
33991	Jewelry & silverware mfg	7	41	8	500	11 730	357	650	6 910	35 604	28 145	63 840	654
339911	Jewelry (except costume) mfg	6	27	6	335	7 433	240	359	3 891	21 405	18 790	40 392	554
33995	Sign mfg	5	54	4	417	10 966	276	541	5 997	24 660	17 538	41 172	929
339950	Sign mfg	5	54	4	417	10 966	276	541	5 997	24 660	17 538	41 172	929
33999	All other miscellaneous mfg	1	24	5	259	5 568	205	345	3 357	12 813	11 651	24 221	607
	Miami, FL PMSA												
31-33	Manufacturing	2	3 031	663	66 391	1 663 790	48 587	91 171	954 491	4 855 969	3 664 012	8 523 906	228 238
311	Food mfg	1	306	40	4 519	122 843	2 753	4 859	58 291	457 415	474 344	929 913	23 114
3115	Dairy product mfg	—	18	6	679	21 070	354	837	10 715	114 279	198 554	312 767	4 169
31151	Dairy product (except frozen) mfg	—	12	5	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	6	5	581	19 194	282	713	9 449	108 650	185 277	293 690	D
3116	Meat product mfg	1	24	6	430	10 614	345	679	6 214	40 150	58 453	97 536	1 303
31161	Animal slaughtering & processing	1	24	6	430	10 614	345	679	6 214	40 150	58 453	97 536	1 303
311612	Meat processed from carcasses	—	14	4	316	7 880	246	454	4 228	28 849	46 923	75 610	1 085
3117	Seafood product preparation & packaging ..	—	8	3	320	7 963	248	530	3 389	44 542	47 788	92 121	626
31171	Seafood product preparation & packaging	—	8	3	320	7 963	248	530	3 389	44 542	47 788	92 121	626
3118	Bakeries & tortilla mfg	2	211	18	2 506	70 139	1 395	2 093	30 269	194 392	109 180	303 772	11 547
31181	Bread & bakery product mfg	1	197	17	2 329	66 339	1 263	1 923	28 404	187 115	99 074	286 247	10 354
311811	Retail bakeries	6	128	5	578	7 501	382	418	3 668	16 550	10 205	26 804	1 148
311812	Commercial bakeries ..	1	64	11	1 716	58 327	868	1 480	24 367	169 272	87 633	256 947	9 143
3119	Other food mfg	4	21	6	419	10 125	280	522	5 498	52 555	46 471	98 268	4 807

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Miami, FL PMSA—Con.												
31-33	Manufacturing—Con.												
312	Beverage & tobacco product mfg	3	28	9	g	D	D	D	D	D	D	D	7 202
3121	Beverage mfg	2	14	5	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	2	10	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	2	5	4	758	23 291	283	729	7 553	129 039	145 251	274 111	D
3122	Tobacco mfg	7	14	4	e	D	D	D	D	D	D	D	D
31222	Tobacco product mfg ...	7	14	4	e	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	7	14	4	e	D	D	D	D	D	D	D	D
313	Textile mills	3	66	23	1 890	46 740	1 617	3 215	32 258	118 532	144 650	264 280	8 609
3132	Fabric mills	2	35	12	1 079	23 848	931	1 805	17 401	60 554	75 774	136 265	3 998
31322	Narrow fabric mills & schiffli machine embroidery	4	6	4	281	4 879	245	471	3 544	11 249	6 624	17 879	856
31324	Knit fabric mills	1	14	5	f	D	D	D	D	D	D	D	2 244
313241	Weft knit fabric mills ..	1	7	3	342	8 997	297	636	6 780	22 839	42 430	65 591	905
3133	Textile & fabric finishing & fabric coating mills	5	29	9	f	D	D	D	D	D	D	D	D
31331	Textile & fabric finishing mills	5	27	8	697	19 671	600	1 263	13 526	44 879	44 070	90 110	3 006
313311	Broadwoven fabric finishing mills	2	21	4	e	D	D	D	D	D	D	D	D
314	Textile product mills	1	126	30	2 942	45 072	2 499	3 962	29 766	96 304	89 881	185 297	3 750
3141	Textile furnishings mills ...	3	45	6	728	9 834	583	862	6 565	21 053	25 156	46 825	613
31412	Curtain & linen mills	3	45	6	728	9 834	583	862	6 565	21 053	25 156	46 825	613
314121	Curtain & drapery mills	3	26	1	313	3 759	273	344	2 643	10 183	7 902	18 101	D
314129	Other household textile product mills	3	19	5	415	6 075	310	518	3 922	10 870	17 254	28 724	D
3149	Other textile product mills ..	1	81	24	2 214	35 238	1 916	3 100	23 201	75 251	64 725	138 472	3 137
31491	Textile bag & canvas mills	1	29	8	772	11 794	669	1 172	8 000	24 222	20 926	44 914	1 258
314911	Textile bag mills	-	6	3	553	7 897	505	933	5 777	17 594	12 945	30 292	D
31499	All other textile product mills	1	52	16	1 442	23 444	1 247	1 928	15 201	51 029	43 799	93 558	1 879
314999	All other miscellaneous textile product mills ..	1	49	16	1 416	22 948	1 227	1 883	14 872	50 028	42 543	91 300	1 801
315	Apparel mfg	2	414	144	10 602	165 391	9 074	15 374	120 937	398 851	382 669	770 347	10 221
3151	Apparel knitting mills	3	12	7	705	13 377	651	1 234	11 046	23 210	16 766	39 176	D
31519	Other apparel knitting mills	3	9	6	f	D	D	D	D	D	D	D	1 576
315191	Outerwear knitting mills	3	9	6	f	D	D	D	D	D	D	D	1 576
3152	Cut & sew apparel mfg	2	350	129	9 337	141 379	7 962	13 383	103 146	343 970	349 228	683 006	7 899
31521	Cut & sew apparel contractors	3	196	72	4 532	56 286	4 185	6 802	47 545	119 792	48 841	165 847	4 133
315211	Men's & boys' cut & sew apparel contractors ..	6	17	9	477	5 635	447	712	4 740	10 324	2 170	12 285	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	3	179	63	4 055	50 651	3 738	6 090	42 805	109 468	46 671	153 562	D
31522	Men's & boys' cut & sew apparel mfg	3	34	13	837	15 503	624	1 178	11 501	43 085	64 589	105 677	955
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	2	14	8	e	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	1	108	39	3 521	64 026	2 775	4 797	39 835	171 685	228 037	393 994	2 498
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	6	10	4	e	D	D	D	D	D	D	D	D
315232	Women's & girls' cut & sew blouse & shirt mfg	-	27	11	1 255	25 289	951	1 667	13 548	67 566	93 590	157 427	803
315233	Women's & girls' cut & sew dress mfg	1	30	9	820	13 863	649	1 192	9 374	34 620	47 734	79 744	586
315239	Women's & girls' cut & sew other outerwear mfg	2	30	11	872	14 096	701	1 135	10 033	36 306	33 586	69 835	818
31529	Other cut & sew apparel mfg	4	12	5	447	5 564	378	606	4 265	9 408	7 761	17 488	313
315299	All other cut & sew apparel mfg	4	10	5	e	D	D	D	D	D	D	D	D
3159	Apparel accessories & other apparel mfg	3	52	8	560	10 635	461	757	6 745	31 671	16 675	48 165	D
31599	Apparel accessories & other apparel mfg	3	52	8	560	10 635	461	757	6 745	31 671	16 675	48 165	D
315999	Other apparel accessories & other apparel mfg	3	36	4	278	5 841	236	388	3 874	10 428	8 619	19 095	428

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Miami, FL PMSA—Con.												
31-33	Manufacturing—Con.												
316	Leather & allied product mfg .	—	32	13	2 632	43 269	2 281	4 733	30 007	122 150	90 373	210 072	2 534
3162	Footwear mfg	—	11	5	g	D	D	D	D	D	D	D	D
31621	Footwear mfg	—	11	5	g	D	D	D	D	D	D	D	D
316211	Rubber & plastics footwear mfg	—	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	20	8	g	D	D	D	D	D	D	D	1 605
31699	Other leather & allied product mfg	—	20	8	g	D	D	D	D	D	D	D	1 605
316992	Women's handbag & purse mfg	—	7	3	1 111	17 999	941	1 774	12 843	59 131	37 182	96 674	D
321	Wood product mfg	4	45	15	f	D	D	D	D	D	D	D	D
3212	Veneer, plywood, & engineered wood product mfg	5	11	7	387	9 060	331	614	6 182	14 559	22 583	37 296	789
32121	Veneer, plywood, & engineered wood product mfg	5	11	7	387	9 060	331	614	6 182	14 559	22 583	37 296	789
321214	Truss mfg	5	8	6	e	D	D	D	D	D	D	D	D
3219	Other wood product mfg	3	34	8	e	D	D	D	D	D	D	D	D
322	Paper mfg	3	37	15	1 295	34 937	1 006	1 881	22 912	91 307	109 593	197 899	11 670
3222	Converted paper product mfg	1	36	14	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	16	10	834	22 575	642	1 237	14 199	57 201	68 721	123 140	6 637
322211	Corrugated & solid fiber box mfg	1	10	6	604	17 338	446	861	10 355	47 537	61 760	106 660	6 450
323	Printing & related support activities	3	441	61	5 847	150 852	4 358	7 562	95 153	294 568	214 454	507 718	21 776
3231	Printing & related support activities	3	441	61	5 847	150 852	4 358	7 562	95 153	294 568	214 454	507 718	21 776
32311	Printing	3	396	58	5 475	139 939	4 061	7 072	87 526	272 718	208 958	480 328	20 778
323110	Commercial lithographic printing	3	179	32	2 672	80 212	1 862	3 786	50 313	146 549	111 733	258 725	10 898
323113	Commercial screen printing	2	46	11	1 490	25 596	1 234	1 629	15 201	50 937	44 552	95 115	3 980
323114	Quick printing	4	92	—	367	7 515	269	360	4 810	16 611	11 012	27 601	1 138
323117	Book printing	6	10	5	279	9 774	221	464	6 783	19 226	11 815	30 043	1 581
323119	Other commercial printing	5	43	3	277	6 771	191	327	4 324	14 080	10 899	24 976	1 445
32312	Support activities for printing	4	45	3	372	10 913	297	490	7 627	21 850	5 496	27 390	998
325	Chemical mfg	1	90	26	2 303	90 603	1 229	2 314	46 882	347 698	241 569	604 557	24 662
3254	Pharmaceutical & medicine mfg	1	16	10	1 443	68 662	744	1 435	36 467	280 201	172 832	465 925	21 123
32541	Pharmaceutical & medicine mfg	1	16	10	1 443	68 662	744	1 435	36 467	280 201	172 832	465 925	21 123
325412	Pharmaceutical preparation mfg	1	10	7	676	27 977	323	592	9 633	153 461	114 009	269 494	D
325413	In-vitro diagnostic substance mfg	—	3	3	756	40 264	414	830	26 588	125 615	57 789	194 276	14 336
3256	Soap, cleaning compound, & toilet preparation mfg	6	35	6	319	7 212	186	338	3 546	26 211	18 751	45 334	1 313
326	Plastics & rubber products mfg	3	105	36	2 743	64 594	2 147	4 160	41 463	192 591	147 900	341 933	10 475
3261	Plastics product mfg	2	85	32	2 444	58 033	1 906	3 706	36 847	177 450	133 567	312 267	9 491
32619	Other plastics product mfg	1	59	20	1 530	35 919	1 145	2 304	21 588	115 823	67 268	184 443	5 223
326191	Plastics plumbing fixture mfg	—	3	2	e	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	2	56	18	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	6	20	4	299	6 561	241	454	4 616	15 141	14 333	29 666	984
327	Nonmetallic mineral product mfg	1	104	34	2 257	68 404	1 642	3 698	47 452	173 408	165 760	343 602	12 373
3273	Cement & concrete product mfg	1	57	25	1 831	58 939	1 332	3 109	41 390	150 136	148 365	302 206	10 553
32731	Cement mfg	—	2	2	e	D	D	D	D	D	D	D	D
327310	Cement mfg	—	2	2	e	D	D	D	D	D	D	D	D
32732	Ready-mix concrete mfg	1	28	14	633	17 814	492	1 038	13 180	41 362	67 327	109 606	3 517
327320	Ready-mix concrete mfg	1	28	14	633	17 814	492	1 038	13 180	41 362	67 327	109 606	3 517
32739	Other concrete product mfg	2	19	5	608	16 760	408	991	9 711	33 071	26 831	60 265	1 741
327390	Other concrete product mfg	2	19	5	608	16 760	408	991	9 711	33 071	26 831	60 265	1 741

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Miami, FL PMSA—Con.												
31-33	Manufacturing—Con.												
331	Primary metal mfg	1	14	7	442	13 840	348	812	10 141	43 968	26 972	70 468	2 436
3315	Foundries	—	10	4	325	10 294	256	625	7 836	37 025	15 177	51 634	D
33151	Ferrous metal foundries	—	4	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	254	62	6 023	147 646	4 613	9 150	95 039	332 999	239 689	574 418	13 113
3323	Architectural & structural metals mfg	1	95	29	2 898	67 188	2 047	4 025	39 406	169 167	142 563	313 098	3 944
33231	Plate work & fabricated structural product mfg	1	12	7	275	6 985	198	380	3 591	25 270	30 873	56 338	624
33232	Ornamental & architectural metal products mfg	1	83	22	2 623	60 203	1 849	3 645	35 815	143 897	111 690	256 760	3 320
332321	Metal window & door mfg	—	35	14	1 785	39 747	1 261	2 608	23 590	101 098	79 730	182 136	1 250
332322	Sheet metal work mfg	2	23	5	503	13 646	357	600	8 289	29 412	22 970	51 987	1 416
332323	Ornamental & architectural metal work mfg	1	25	3	335	6 810	231	437	3 936	13 387	8 990	22 637	654
3325	Hardware mfg	—	5	2	f	D	D	D	D	D	D	D	413
33251	Hardware mfg	—	5	2	f	D	D	D	D	D	D	D	413
332510	Hardware mfg	—	5	2	f	D	D	D	D	D	D	D	413
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	75	12	1 021	27 827	801	1 425	18 667	53 592	20 882	74 454	4 414
33271	Machine shops	2	66	10	853	22 726	661	1 135	14 959	43 756	15 635	59 257	3 701
332710	Machine shops	2	66	10	853	22 726	661	1 135	14 959	43 756	15 635	59 257	3 701
3328	Coating, engraving, heat treating, & allied activities	3	24	9	470	13 796	379	806	10 263	31 102	13 169	44 303	2 557
33281	Coating, engraving, heat treating, & allied activities	3	24	9	470	13 796	379	806	10 263	31 102	13 169	44 303	2 557
3329	Other fabricated metal product mfg	1	23	5	672	14 230	571	1 225	11 037	30 949	19 320	50 675	1 154
33299	All other fabricated metal product mfg	1	16	5	647	13 762	550	1 201	10 723	29 874	18 445	48 720	1 084
332999	All other miscellaneous fabricated metal product mfg	—	10	3	595	12 646	502	1 130	10 016	26 665	16 881	43 870	989
333	Machinery mfg	3	131	24	1 897	50 487	1 365	2 505	30 739	97 132	116 782	213 789	5 584
3333	Commercial & service industry machinery mfg	1	20	2	328	8 508	237	453	5 076	7 337	32 282	39 866	1 106
33331	Commercial & service industry machinery mfg	1	20	2	328	8 508	237	453	5 076	7 337	32 282	39 866	1 106
333319	Other commercial & service industry machinery mfg	—	10	2	289	7 385	212	413	4 500	5 595	30 438	36 238	857
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	5	23	12	696	16 234	505	813	9 242	35 629	36 941	73 157	1 448
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	5	23	12	696	16 234	505	813	9 242	35 629	36 941	73 157	1 448
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	6	18	10	615	14 205	465	749	8 497	30 722	34 234	65 495	D
3335	Metalworking machinery mfg	5	39	3	277	6 337	184	293	4 128	11 673	5 503	17 392	928
33351	Metalworking machinery mfg	5	39	3	277	6 337	184	293	4 128	11 673	5 503	17 392	928
3339	Other general-purpose machinery mfg	—	27	6	435	13 656	324	722	8 701	32 382	29 933	61 137	910
33392	Material handling equipment mfg	—	16	5	392	11 819	294	673	8 029	28 734	28 440	55 952	857
334	Computer & electronic product mfg	—	81	17	5 042	195 496	2 794	6 205	86 866	354 155	372 944	738 189	23 804
3345	Navigational, measuring, medical, & control instruments mfg	—	28	10	4 502	181 432	2 448	5 540	80 005	321 388	331 261	663 734	21 517
33451	Navigational, measuring, medical, & control instruments mfg	—	28	10	4 502	181 432	2 448	5 540	80 005	321 388	331 261	663 734	21 517
334510	Electromedical & electrotherapeutic apparatus mfg	—	4	2	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument mfg	—	4	2	h	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg	—	3	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Miami, FL PMSA—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg	3	46	13	1 214	25 563	970	1 901	14 976	64 040	49 128	113 478	2 555
3351	Electric lighting equipment mfg	2	29	10	900	17 375	750	1 586	10 550	44 816	24 561	69 229	1 759
33512	Lighting fixture mfg	2	28	10	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ...	1	19	9	822	15 198	689	1 490	9 315	36 786	19 302	55 923	1 672
336	Transportation equipment mfg	2	104	22	2 827	79 539	2 057	3 977	51 205	160 897	243 045	401 745	11 890
3363	Motor vehicle parts mfg ...	5	26	1	365	7 014	285	600	4 516	7 421	8 449	16 159	499
33632	Motor vehicle electrical & electronic equipment mfg	2	5	1	286	5 391	221	516	3 465	3 991	3 705	7 931	62
336322	Other motor vehicle electrical & electronic equipment mfg	1	4	1	e	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	1	31	12	1 434	46 120	917	1 722	27 750	100 921	161 864	258 771	9 765
33641	Aerospace product & parts mfg	1	31	12	1 434	46 120	917	1 722	27 750	100 921	161 864	258 771	9 765
336411	Aircraft mfg	2	9	5	648	16 269	384	755	10 034	33 202	24 021	58 536	D
336412	Aircraft engine & engine parts mfg	—	8	5	459	20 421	318	670	12 245	48 065	128 353	170 203	D
336413	Other aircraft part & auxiliary equipment mfg	2	14	2	327	9 430	215	297	5 471	19 654	9 490	30 032	1 441
3366	Ship & boat building	5	35	7	914	24 224	762	1 492	17 383	48 314	63 921	113 386	1 552
33661	Ship & boat building	5	35	7	914	24 224	762	1 492	17 383	48 314	63 921	113 386	1 552
336612	Boat building	6	28	5	759	19 497	631	1 283	14 474	40 690	58 125	99 966	1 462
337	Furniture & related product mfg	2	311	45	4 325	90 204	3 280	5 995	58 561	175 616	156 845	331 920	8 305
3371	Household & institutional furniture & kitchen cabinet mfg	3	229	24	2 173	45 861	1 765	3 064	31 248	79 234	73 028	152 586	3 309
33711	Wood kitchen cabinet & counter top mfg	5	85	9	779	17 273	595	992	10 410	29 026	20 633	49 795	1 042
337110	Wood kitchen cabinet & counter top mfg ...	5	85	9	779	17 273	595	992	10 410	29 026	20 633	49 795	1 042
33712	Household & institutional furniture mfg	2	144	15	1 394	28 588	1 170	2 072	20 838	50 208	52 395	102 791	2 267
337122	Nonupholstered wood household furniture mfg	4	72	6	418	7 493	368	615	5 832	17 031	16 014	32 975	571
337124	Metal household furniture mfg	—	8	2	343	6 608	284	513	4 797	5 284	14 150	19 398	D
337127	Institutional furniture mfg	1	16	5	391	9 976	320	601	6 844	18 638	12 053	30 941	345
3372	Office furniture (including fixtures) mfg	2	43	11	1 566	33 835	1 102	2 133	20 882	60 428	46 744	106 026	2 982
33721	Office furniture (including fixtures) mfg	2	43	11	1 566	33 835	1 102	2 133	20 882	60 428	46 744	106 026	2 982
337212	Custom architectural woodwork & millwork mfg	—	8	4	620	11 875	347	663	6 535	23 469	13 616	36 107	1 203
337215	Showcase, partition, shelving, & locker mfg	2	19	6	742	17 331	604	1 198	11 768	30 198	27 524	57 538	1 603
3379	Other furniture related product mfg	2	39	10	586	10 508	413	798	6 431	35 954	37 073	73 308	2 014
33791	Mattress mfg	1	11	6	250	4 337	195	390	2 939	21 774	15 081	36 880	939
337910	Mattress mfg	1	11	6	250	4 337	195	390	2 939	21 774	15 081	36 880	939
33792	Blind & shade mfg	3	28	4	336	6 171	218	408	3 492	14 180	21 992	36 428	1 075
337920	Blind & shade mfg	3	28	4	336	6 171	218	408	3 492	14 180	21 992	36 428	1 075
339	Miscellaneous mfg	1	293	26	5 639	180 765	3 299	6 526	57 307	1 131 159	168 212	1 290 831	22 167
3391	Medical equipment & supplies mfg	—	130	14	4 515	155 801	2 481	5 245	43 400	1 075 330	122 315	1 188 046	20 095
33911	Medical equipment & supplies mfg	—	130	14	4 515	155 801	2 481	5 245	43 400	1 075 330	122 315	1 188 046	20 095
339112	Surgical & medical instrument mfg	—	13	5	h	D	D	D	D	D	D	D	15 328
339113	Surgical appliance & supplies mfg	4	12	3	e	D	D	D	D	D	D	D	496
339115	Ophthalmic goods mfg	9	11	3	535	10 265	351	493	5 642	25 482	13 941	39 524	3 751
339116	Dental laboratories ...	7	89	1	e	D	D	D	D	D	D	D	427

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.												
	Miami, FL PMSA—Con.												
31-33	Manufacturing—Con.												
339	Miscellaneous mfg—Con.												
3399	Other miscellaneous mfg . . .	5	163	12	1 124	24 964	818	1 281	13 907	55 829	45 897	102 785	2 072
33991	Jewelry & silverware mfg	5	66	3	353	7 030	250	355	3 768	15 450	21 076	37 802	384
339911	Jewelry (except costume) mfg	5	51	3	299	6 047	208	300	3 200	13 568	19 335	34 201	324
33995	Sign mfg	4	41	4	355	10 254	246	467	5 153	20 823	13 117	33 581	836
339950	Sign mfg	4	41	4	355	10 254	246	467	5 153	20 823	13 117	33 581	836
	NAPLES, FL MSA												
31-33	Manufacturing	3	205	26	2 305	62 433	1 732	3 342	39 697	141 720	117 715	258 993	12 343
323	Printing & related support activities	3	26	4	252	7 128	167	287	3 941	14 453	8 814	23 236	574
3231	Printing & related support activities	3	26	4	252	7 128	167	287	3 941	14 453	8 814	23 236	574
32311	Printing	3	26	4	252	7 128	167	287	3 941	14 453	8 814	23 236	574
326	Plastics & rubber products mfg	3	9	5	302	6 575	250	459	4 713	24 069	13 165	36 121	3 126
3261	Plastics product mfg	1	7	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	7	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	1	20	5	588	19 487	467	1 156	13 356	43 582	43 790	87 176	5 594
3273	Cement & concrete product mfg	1	10	4	377	11 732	295	725	8 019	34 253	36 322	70 359	D
32732	Ready-mix concrete mfg	—	5	1	288	9 501	224	587	6 608	26 342	34 890	61 099	D
327320	Ready-mix concrete mfg	—	5	1	288	9 501	224	587	6 608	26 342	34 890	61 099	D
337	Furniture & related product mfg	4	32	3	282	6 459	191	337	4 547	9 839	10 930	20 875	662
	OCALA, FL MSA												
31-33	Manufacturing	1	215	69	9 620	237 983	6 841	12 558	146 429	640 449	649 795	1 287 800	37 510
311	Food mfg	1	6	2	278	7 006	187	359	4 309	67 245	42 067	109 511	1 138
321	Wood product mfg	—	16	13	1 219	30 176	929	1 801	20 923	64 125	101 873	166 372	2 648
3219	Other wood product mfg	—	12	10	1 079	26 221	818	1 548	18 232	56 754	84 633	140 856	D
32191	Millwork	—	5	4	312	6 426	270	516	4 894	9 820	15 859	25 490	1 561
321911	Wood window & door mfg	—	3	3	e	D	D	D	D	D	D	D	D
32199	All other wood product mfg	—	7	6	767	19 795	548	1 032	13 338	46 934	68 774	115 366	D
321991	Manufactured home (mobile home) mfg	—	6	6	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	14	5	771	21 595	586	1 081	15 553	54 356	52 761	104 809	13 709
3261	Plastics product mfg	6	10	3	e	D	D	D	D	D	D	D	D
3262	Rubber product mfg	—	4	2	e	D	D	D	D	D	D	D	D
32622	Rubber & plastics hoses & belting mfg	—	2	2	e	D	D	D	D	D	D	D	D
326220	Rubber & plastics hoses & belting mfg	—	2	2	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	31	10	1 549	29 523	1 206	1 893	20 343	81 106	81 719	165 772	3 439
3323	Architectural & structural metals mfg	1	15	5	422	9 535	330	697	7 061	20 368	30 812	50 531	870
33232	Ornamental & architectural metal products mfg	1	9	4	251	5 691	202	462	4 333	14 861	25 097	39 538	769
3326	Spring & wire product mfg	—	3	2	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg	—	3	2	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg	—	3	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	14	6	697	21 595	446	844	10 195	52 059	35 505	87 808	2 553
3339	Other general-purpose machinery mfg	—	5	2	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg	—	2	1	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general-purpose machinery mfg	—	1	1	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
OCALA, FL MSA—Con.													
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg	6	9	4	711	14 127	186	382	4 211	36 152	18 703	55 040	D
3342	Communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
336	Transportation equipment mfg	—	23	8	2 788	76 097	2 025	3 963	45 774	195 380	209 857	402 551	8 706
3362	Motor vehicle body & trailer mfg	—	10	4	2 523	69 637	1 793	3 618	41 867	161 438	194 573	353 791	D
33621	Motor vehicle body & trailer mfg	—	10	4	2 523	69 637	1 793	3 618	41 867	161 438	194 573	353 791	D
336211	Motor vehicle body mfg	—	2	1	g	D	D	D	D	D	D	D	D
336213	Motor home mfg	—	1	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	—	20	4	422	8 267	344	614	5 362	20 069	18 242	37 169	207
3371	Household & institutional furniture & kitchen cabinet mfg	—	15	3	368	7 051	303	529	4 568	15 588	17 152	32 976	123
33712	Household & institutional furniture mfg	—	5	3	323	6 289	268	476	3 997	14 630	15 794	30 662	83
337121	Upholstered household furniture mfg	—	3	2	e	D	D	D	D	D	D	D	83
339	Miscellaneous mfg	1	16	2	318	7 567	263	495	5 547	8 384	16 276	24 447	125
3391	Medical equipment & supplies mfg	—	9	2	296	7 044	247	468	5 264	7 383	15 533	22 704	78
33911	Medical equipment & supplies mfg	—	9	2	296	7 044	247	468	5 264	7 383	15 533	22 704	78
339113	Surgical appliance & supplies mfg	—	2	2	e	D	D	D	D	D	D	D	D
ORLANDO, FL MSA													
31-33	Manufacturing	1	1 564	390	47 086	1 627 718	27 868	54 680	671 178	4 679 800	3 586 834	8 327 166	527 273
311	Food mfg	—	76	23	3 340	99 138	2 098	4 286	49 923	376 540	463 464	831 589	34 379
3114	Fruit & vegetable preserving & specialty food mfg	—	10	5	716	19 182	550	1 087	11 806	71 812	230 443	293 470	22 292
31141	Frozen food mfg	—	5	4	461	14 116	326	763	7 797	64 776	221 080	277 062	22 118
311411	Frozen fruit, juice, & vegetable mfg	—	5	4	461	14 116	326	763	7 797	64 776	221 080	277 062	22 118
31142	Fruit & vegetable canning, pickling, & drying	3	5	1	255	5 066	224	324	4 009	7 036	9 363	16 408	174
3115	Dairy product mfg	—	4	1	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg	—	1	1	e	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	1	1	e	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	1	44	10	1 380	37 170	707	1 392	16 973	96 638	46 511	143 140	5 033
31181	Bread & bakery product mfg	1	44	10	1 380	37 170	707	1 392	16 973	96 638	46 511	143 140	5 033
311812	Commercial bakeries	1	18	8	1 174	34 408	572	1 201	15 371	89 280	41 434	130 764	4 645
3119	Other food mfg	—	6	3	648	23 269	557	1 302	14 053	162 543	51 247	213 961	3 353
31191	Snack food mfg	—	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food mfg	—	2	2	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	4	9	7	1 094	34 952	260	568	9 764	172 919	318 859	492 999	14 275
3121	Beverage mfg	4	9	7	1 094	34 952	260	568	9 764	172 919	318 859	492 999	14 275
31211	Soft drink & ice mfg	4	7	6	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg	4	6	5	1 026	33 410	235	527	9 225	168 857	317 497	486 158	D
314	Textile product mills	3	40	10	536	10 486	413	702	6 480	23 066	20 789	43 771	935
3149	Other textile product mills	3	27	9	356	7 381	248	433	3 820	15 136	16 288	31 638	D
321	Wood product mfg	2	57	16	1 175	26 259	965	1 987	18 076	56 261	91 624	147 595	7 296
3212	Veneer, plywood, & engineered wood product mfg	3	13	8	574	13 770	455	977	9 017	24 135	34 488	58 398	959
32121	Veneer, plywood, & engineered wood product mfg	3	13	8	574	13 770	455	977	9 017	24 135	34 488	58 398	959
321214	Truss mfg	3	12	8	f	D	D	D	D	D	D	D	D
3219	Other wood product mfg	1	35	6	501	10 506	419	845	7 502	26 722	50 151	76 799	5 817
32191	Millwork	—	19	4	331	7 396	274	558	5 132	20 003	42 187	61 779	5 544
321911	Wood window & door mfg	—	12	4	266	6 025	222	458	4 025	16 747	39 311	55 675	5 404

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ORLANDO, FL MSA— Con. Manufacturing— Con.												
322	Paper mfg	1	15	4	335	11 065	252	507	7 093	22 959	50 091	73 190	1 786
3222	Converted paper product mfg	1	15	4	335	11 065	252	507	7 093	22 959	50 091	73 190	1 786
32221	Paperboard container mfg	—	6	3	261	9 027	194	395	5 708	15 889	39 671	55 492	1 524
323	Printing & related support activities	3	296	55	4 067	119 644	2 931	5 465	76 824	319 327	180 130	497 137	17 837
3231	Printing & related support activities	3	296	55	4 067	119 644	2 931	5 465	76 824	319 327	180 130	497 137	17 837
32311	Printing	3	272	46	3 645	105 714	2 601	4 829	66 846	291 356	173 854	463 019	15 380
323110	Commercial lithographic printing	4	125	21	1 956	61 937	1 405	2 675	40 204	133 934	106 544	238 662	7 826
323113	Commercial screen printing	—	27	6	421	9 337	304	564	5 242	68 913	20 219	89 538	1 483
323114	Quick printing	2	79	7	567	13 106	397	630	7 841	30 577	16 066	46 608	1 841
323116	Manifold business form printing	—	6	6	275	8 728	209	368	6 515	25 458	8 072	33 818	D
32312	Support activities for printing	—	24	9	422	13 930	330	636	9 978	27 971	6 276	34 118	2 457
323122	Prepress services	—	17	8	347	11 330	258	511	7 985	23 885	5 425	29 015	D
325	Chemical mfg	1	55	12	749	24 933	416	870	11 134	162 152	185 066	346 652	9 985
326	Plastics & rubber products mfg	3	68	33	2 807	70 536	2 190	3 957	45 434	221 992	214 876	437 566	20 642
3261	Plastics product mfg	3	62	29	2 629	66 509	2 078	3 682	42 632	206 551	201 304	409 036	20 489
32616	Plastics bottle mfg	2	4	4	385	11 673	348	690	9 392	59 972	77 225	136 067	5 476
326160	Plastics bottle mfg	2	4	4	385	11 673	348	690	9 392	59 972	77 225	136 067	5 476
32619	Other plastics product mfg	4	43	16	1 770	42 940	1 364	2 405	25 514	119 999	93 715	214 916	12 338
326199	All other plastics product mfg	4	38	14	1 547	39 130	1 177	2 102	22 761	108 643	84 523	194 761	12 275
327	Nonmetallic mineral product mfg	1	122	37	2 711	76 671	2 076	4 807	51 559	206 506	254 201	461 088	18 604
3273	Cement & concrete product mfg	—	76	28	2 124	62 227	1 647	4 014	42 808	172 755	222 699	395 140	14 154
32732	Ready-mix concrete mfg	—	35	12	994	30 343	766	2 072	22 348	103 112	154 595	257 061	7 388
327320	Ready-mix concrete mfg	—	35	12	994	30 343	766	2 072	22 348	103 112	154 595	257 061	7 388
32733	Concrete pipe, brick, & block mfg	1	14	4	e	D	D	D	D	D	D	D	D
32739	Other concrete product mfg	2	26	12	869	23 758	697	1 571	15 745	45 436	38 093	84 241	4 245
327390	Other concrete product mfg	2	26	12	869	23 758	697	1 571	15 745	45 436	38 093	84 241	4 245
331	Primary metal mfg	—	9	2	416	7 648	365	467	5 688	18 474	29 955	47 905	D
3313	Alumina & aluminum production & processing	—	1	1	e	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	—	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	190	42	3 814	108 638	2 753	5 514	65 589	262 552	299 028	558 906	11 378
3322	Cutlery & handtool mfg	—	7	2	263	10 756	125	308	3 729	35 265	13 165	47 052	935
33221	Cutlery & handtool mfg	—	7	2	263	10 756	125	308	3 729	35 265	13 165	47 052	935
3323	Architectural & structural metals mfg	1	67	20	1 928	48 208	1 407	2 751	29 667	118 275	120 423	238 119	4 391
33231	Plate work & fabricated structural product mfg	2	23	7	814	20 212	609	1 122	12 208	36 394	50 783	86 235	2 270
332311	Prefabricated metal building & component mfg	—	8	3	446	9 487	357	744	7 301	21 010	25 879	46 032	1 202
33232	Ornamental & architectural metal products mfg	1	44	13	1 114	27 996	798	1 629	17 459	81 881	69 640	151 884	2 121
332321	Metal window & door mfg	—	10	4	415	10 900	254	618	6 168	47 544	39 662	87 628	1 069
332322	Sheet metal work mfg	2	25	8	481	12 534	364	657	8 076	25 804	23 925	49 639	784
3324	Boiler, tank, & shipping container mfg	—	7	5	463	17 398	374	766	13 198	46 187	110 878	155 140	1 219
33243	Metal can, box, & other metal container (light gauge) mfg	—	3	3	330	12 357	278	560	10 064	31 849	100 753	130 680	691
332431	Metal can mfg	—	3	3	330	12 357	278	560	10 064	31 849	100 753	130 680	691
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	63	4	470	13 107	355	580	8 510	25 604	11 718	37 331	2 536
33271	Machine shops	2	56	3	404	11 024	309	493	7 331	21 687	9 798	31 318	2 274
332710	Machine shops	2	56	3	404	11 024	309	493	7 331	21 687	9 798	31 318	2 274

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ORLANDO, FL MSA— Con. Manufacturing— Con.												
332	Fabricated metal product mfg—Con.												
3329	Other fabricated metal product mfg.....	3	18	4	325	9 272	229	610	5 258	17 363	20 946	38 369	1 063
333	Machinery mfg.....	—	99	30	5 371	223 843	2 163	4 604	64 628	245 431	240 084	529 966	35 940
3331	Agriculture, construction, & mining machinery mfg....	—	10	3	e	D	D	D	D	D	D	D	1 261
33312	Construction machinery mfg.....	—	7	3	347	10 865	242	492	6 478	18 238	28 402	47 703	D
333120	Construction machinery mfg.....	—	7	3	347	10 865	242	492	6 478	18 238	28 402	47 703	D
3332	Industrial machinery mfg..	—	14	6	482	14 254	361	929	10 087	30 454	23 311	53 699	12 800
33329	Other industrial machinery mfg.....	—	9	4	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg.....	—	3	3	370	10 563	297	814	8 647	23 247	16 032	39 049	D
3333	Commercial & service industry machinery mfg..	—	18	7	2 903	145 164	600	1 181	22 819	46 295	31 354	124 197	15 875
33331	Commercial & service industry machinery mfg.....	—	18	7	2 903	145 164	600	1 181	22 819	46 295	31 354	124 197	15 875
333319	Other commercial & service industry machinery mfg.....	—	11	4	2 720	139 616	496	993	20 411	35 931	21 266	102 932	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	—	4	2	346	9 538	182	407	3 784	18 238	25 351	42 511	472
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg..	—	4	2	346	9 538	182	407	3 784	18 238	25 351	42 511	472
3339	Other general-purpose machinery mfg.....	—	30	11	1 139	40 095	667	1 429	18 708	124 226	128 026	250 174	5 263
33392	Material handling equipment mfg.....	—	13	6	693	26 544	366	890	11 668	90 143	112 750	203 231	4 019
333922	Conveyor & conveying equipment mfg.....	—	7	5	e	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg.....	—	3	1	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg.....	1	14	5	e	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	—	89	38	11 633	596 944	4 348	8 092	126 521	2 019 327	707 359	2 757 515	315 819
3341	Computer & peripheral equipment mfg.....	4	7	3	649	25 825	256	383	3 781	82 703	61 088	141 905	6 569
33411	Computer & peripheral equipment mfg.....	4	7	3	649	25 825	256	383	3 781	82 703	61 088	141 905	6 569
334119	Other computer peripheral equipment mfg.....	3	4	3	621	24 898	247	363	3 380	80 891	58 025	136 950	6 339
3342	Communications equipment mfg.....	—	18	7	2 154	98 564	754	1 144	16 418	376 453	350 239	691 359	D
33421	Telephone apparatus mfg.....	—	6	4	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg.....	—	6	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	—	27	15	2 757	123 636	1 773	3 481	59 131	505 415	63 705	561 552	D
33441	Semiconductor & other electronic component mfg.....	—	27	15	2 757	123 636	1 773	3 481	59 131	505 415	63 705	561 552	D
334412	Bare printed circuit board mfg.....	—	9	4	333	8 134	274	545	5 931	26 342	12 864	39 237	1 340
334413	Semiconductor & related device mfg....	—	4	3	g	D	D	D	D	D	D	D	D
334419	Other electronic component mfg.....	—	6	3	742	31 551	424	861	15 687	63 283	17 502	79 243	D
3345	Navigational, measuring, medical, & control instruments mfg.....	—	31	13	6 051	348 337	1 548	3 047	46 778	1 053 370	230 536	1 359 410	D
33451	Navigational, measuring, medical, & control instruments mfg.....	—	31	13	6 051	348 337	1 548	3 047	46 778	1 053 370	230 536	1 359 410	D
334510	Electromedical & electrotherapeutic apparatus mfg.....	—	9	5	543	17 787	248	459	5 028	37 908	29 887	67 989	1 783
334511	Search, detection, navigation, & guidance instrument mfg.....	—	7	3	5 184	320 400	1 155	2 279	39 097	993 829	183 034	1 252 181	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ORLANDO, FL MSA— Con. Manufacturing— Con.												
335	Electrical equipment, appliance, & component mfg	2	37	15	1 222	38 812	661	1 369	15 880	85 710	82 978	172 402	5 806
3353	Electrical equipment mfg ..	2	14	8	669	22 430	423	919	10 654	47 132	51 667	100 873	2 767
33531	Electrical equipment mfg	2	14	8	669	22 430	423	919	10 654	47 132	51 667	100 873	2 767
335313	Switchgear & switchboard apparatus mfg	1	3	2	350	13 853	221	570	6 884	29 756	36 468	67 843	D
335314	Relay & industrial control mfg	2	9	5	e	D	D	D	D	D	D	D	416
3359	Other electrical equipment & component mfg	1	18	7	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	1	16	7	514	15 327	211	393	4 508	35 859	28 870	66 284	2 887
335999	All other miscellaneous electrical equipment & component mfg	1	16	7	514	15 327	211	393	4 508	35 859	28 870	66 284	2 887
336	Transportation equipment mfg	1	64	25	4 035	96 716	3 130	6 268	63 882	260 351	243 220	494 069	14 681
3362	Motor vehicle body & trailer mfg	3	15	6	895	19 612	691	1 418	13 683	67 940	47 540	111 525	3 078
33621	Motor vehicle body & trailer mfg	3	15	6	895	19 612	691	1 418	13 683	67 940	47 540	111 525	3 078
336211	Motor vehicle body mfg	4	8	4	811	18 004	621	1 322	12 706	64 696	43 270	104 004	2 928
3363	Motor vehicle parts mfg ...	1	28	12	1 874	41 407	1 412	2 561	23 395	89 356	98 050	187 937	8 048
33632	Motor vehicle electrical & electronic equipment mfg	—	7	3	1 037	22 985	830	1 620	13 870	59 976	65 807	125 608	3 781
336322	Other motor vehicle electrical & electronic equipment mfg	—	7	3	1 037	22 985	830	1 620	13 870	59 976	65 807	125 608	3 781
33639	Other motor vehicle parts mfg	3	10	5	606	12 842	420	622	6 300	17 343	19 922	36 836	3 038
336399	All other motor vehicle parts mfg	4	7	4	f	D	D	D	D	D	D	D	2 988
3364	Aerospace product & parts mfg	—	9	3	388	11 296	339	659	9 414	31 624	26 969	58 551	1 818
33641	Aerospace product & parts mfg	—	9	3	388	11 296	339	659	9 414	31 624	26 969	58 551	1 818
336412	Aircraft engine & engine parts mfg	—	1	1	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	9	4	862	23 919	676	1 600	17 045	70 448	69 176	133 557	D
33661	Ship & boat building	—	9	4	862	23 919	676	1 600	17 045	70 448	69 176	133 557	D
336612	Boat building	—	7	4	f	D	D	D	D	D	D	D	1 677
337	Furniture & related product mfg	1	108	15	1 488	31 225	1 183	2 161	21 693	108 827	97 728	207 943	4 048
3371	Household & institutional furniture & kitchen cabinet mfg	1	79	6	842	16 877	674	1 145	11 290	59 097	49 728	110 577	3 262
33711	Wood kitchen cabinet & counter top mfg	3	40	2	284	5 590	216	333	4 019	11 386	6 801	18 285	298
337110	Wood kitchen cabinet & counter top mfg ...	3	40	2	284	5 590	216	333	4 019	11 386	6 801	18 285	298
33712	Household & institutional furniture mfg	1	39	4	558	11 287	458	812	7 271	47 711	42 927	92 292	2 964
3379	Other furniture related product mfg	—	13	5	420	9 068	330	701	6 396	39 177	37 613	76 519	363
33791	Mattress mfg	—	7	3	290	6 961	207	464	4 389	35 423	32 682	67 963	220
337910	Mattress mfg	—	7	3	290	6 961	207	464	4 389	35 423	32 682	67 963	220
339	Miscellaneous mfg	3	197	22	1 859	40 718	1 316	2 362	24 187	88 110	68 537	158 832	4 331
3391	Medical equipment & supplies mfg	4	80	7	644	15 021	468	854	8 830	36 092	16 878	53 347	1 597
33911	Medical equipment & supplies mfg	4	80	7	644	15 021	468	854	8 830	36 092	16 878	53 347	1 597
339116	Dental laboratories ...	6	61	2	291	6 959	213	319	4 298	16 494	6 288	23 403	627
3399	Other miscellaneous mfg ..	2	117	15	1 215	25 697	848	1 508	15 357	52 018	51 659	105 485	2 734
33995	Sign mfg	3	54	3	352	7 290	237	408	3 905	11 738	11 994	23 790	528
339950	Sign mfg	3	54	3	352	7 290	237	408	3 905	11 738	11 994	23 790	528
33999	All other miscellaneous mfg	1	27	8	577	13 251	383	748	7 768	27 620	30 330	59 780	1 765
339999	All other miscellaneous mfg	2	21	6	394	9 166	284	547	6 041	15 826	11 898	29 765	1 041

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PANAMA CITY, FL MSA													
31-33	Manufacturing	-	136	28	3 492	108 697	2 588	5 221	71 286	330 523	419 638	719 007	38 530
322	Paper mfg	-	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32211	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
322110	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	4	2	e	D	D	D	D	D	D	D	D
3251	Basic chemical mfg	-	1	1	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg	-	1	1	e	D	D	D	D	D	D	D	D
325191	Gum & wood chemical mfg	-	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	10	4		6 979	198	542	4 191	19 314	25 851	45 305	995
3273	Cement & concrete product mfg	-	8	4	e	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	1	1	e	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
33121	Iron & steel pipes & tubes mfg from purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
331210	Iron & steel pipes & tubes mfg from purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	20	3	438	16 341	326	669	10 840	39 738	79 415	115 527	5 738
336	Transportation equipment mfg	-	14	4	651	16 339	583	1 087	12 053	36 662	36 303	74 146	D
3366	Ship & boat building	-	8	3	e	D	D	D	D	D	D	D	D
33661	Ship & boat building	-	8	3	e	D	D	D	D	D	D	D	D
336611	Ship building & repairing	-	2	1	e	D	D	D	D	D	D	D	D
PENSACOLA, FL MSA													
31-33	Manufacturing	-	295	62	9 421	336 181	7 087	14 027	229 474	1 206 814	1 498 425	2 641 750	91 888
315	Apparel mfg	-	6	2	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	5	2	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	-	2	1	f	D	D	D	D	D	D	D	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	-	1	1	f	D	D	D	D	D	D	D	D
322	Paper mfg	-	5	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	4	2	e	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	-	3	2	e	D	D	D	D	D	D	D	D
322224	Uncoated paper & multiwall bag mfg	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	4	37	5	347	7 735	255	446	5 243	17 153	11 455	28 463	1 009
3231	Printing & related support activities	4	37	5	347	7 735	255	446	5 243	17 153	11 455	28 463	1 009
32311	Printing	4	34	5	344	7 674	252	442	5 197	17 032	11 428	28 315	1 002
325	Chemical mfg	-	17	9	2 278	108 281	1 635	3 930	74 296	606 948	797 990	1 391 575	47 736
3251	Basic chemical mfg	-	6	1	329	14 583	214	409	7 842	115 636	134 555	250 754	944
32519	Other basic organic chemical mfg	-	2	1	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg	-	2	1	e	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1	6	6	1 883	92 717	1 378	3 473	65 826	487 516	661 047	1 134 656	46 596
32521	Resin & synthetic rubber mfg	-	4	4	e	D	D	D	D	D	D	D	D
32522	Artificial & synthetic fibers & filaments mfg ..	1	2	2	g	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber mfg	1	2	2	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	5	11	5	259	4 703	184	352	3 045	13 383	7 255	20 504	676

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PENSACOLA, FL MSA—Con.													
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg	-	23	6	728	30 172	547	1 130	21 245	76 239	57 247	133 487	6 444
3273	Cement & concrete product mfg	-	15	5	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg	-	4	1	e	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product mfg	-	4	1	e	D	D	D	D	D	D	D	D
327993	Mineral wool mfg	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	40	8	970	20 484	765	1 401	13 944	53 166	94 055	146 579	4 478
3321	Forging & stamping	-	2	1	e	D	D	D	D	D	D	D	D
33211	Forging & stamping	-	2	1	e	D	D	D	D	D	D	D	D
332116	Metal stamping	-	2	1	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	12	4	472	11 080	367	667	6 957	30 403	63 969	94 215	626
33232	Ornamental & architectural metal products mfg	-	7	2	e	D	D	D	D	D	D	D	516
332321	Metal window & door mfg	-	4	2	e	D	D	D	D	D	D	D	441
333	Machinery mfg	1	11	6	656	31 771	452	861	21 676	76 084	107 713	134 350	968
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	e	D	D	D	D	D	D	D	D
333611	Turbine & turbine generator set unit mfg	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	14	6	545	11 744	403	707	6 601	26 443	38 710	66 996	1 326
3363	Motor vehicle parts mfg ...	-	4	2	e	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg	-	1	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg	-	1	1	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	30	2	358	6 080	309	545	4 810	10 940	15 277	26 533	516
PUNTA GORDA, FL MSA													
31-33	Manufacturing	2	74	6	587	13 833	362	683	7 383	38 960	38 674	77 742	1 839
SARASOTA—BRADENTON, FL MSA													
31-33	Manufacturing	1	663	138	18 965	571 210	12 938	23 877	301 383	1 159 514	1 838 436	2 988 266	159 841
311	Food mfg	-	12	4	h	D	D	D	D	D	D	D	D
3111	Animal food mfg	-	1	1	e	D	D	D	D	D	D	D	D
31111	Animal food mfg	-	1	1	e	D	D	D	D	D	D	D	D
311119	Other animal food mfg	-	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	2	1	g	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	2	1	g	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	-	2	1	g	D	D	D	D	D	D	D	D
314	Textile product mills	1	34	2	357	6 957	296	553	5 036	15 226	13 338	28 130	D
321	Wood product mfg	5	21	6	520	12 094	369	744	7 176	17 952	33 535	51 767	1 592
3212	Veneer, plywood, & engineered wood product mfg	5	7	5	427	10 164	290	609	5 796	14 278	28 698	43 231	1 392
32121	Veneer, plywood, & engineered wood product mfg	5	7	5	427	10 164	290	609	5 796	14 278	28 698	43 231	1 392
321214	Truss mfg	5	5	4	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	82	6	723	16 949	552	895	11 208	34 714	22 334	57 027	2 832
3231	Printing & related support activities	3	82	6	723	16 949	552	895	11 208	34 714	22 334	57 027	2 832
32311	Printing	4	73	6	669	15 357	507	820	10 151	31 232	21 578	52 766	2 680
323110	Commercial lithographic printing ..	2	25	5	422	9 626	329	512	6 553	19 140	12 379	31 504	1 383

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	SARASOTA- BRADENTON, FL MSA —Con. Manufacturing— Con.												
325	Chemical mfg	6	19	4	323	11 278	142	242	3 794	28 821	23 911	53 034	2 555
326	Plastics & rubber products mfg	2	35	10	1 572	44 743	1 168	2 188	21 821	105 591	79 010	184 641	6 463
3261	Plastics product mfg	2	31	10	1 538	43 909	1 139	2 122	21 191	103 338	76 526	179 864	6 382
32619	Other plastics product mfg	2	21	8	1 405	37 406	1 024	1 904	18 464	86 979	60 635	147 065	5 992
326199	All other plastics product mfg	2	17	7	1 363	36 390	998	1 852	17 932	85 129	59 921	144 506	5 958
327	Nonmetallic mineral product mfg	1	39	13	1 429	43 008	1 136	2 275	32 798	144 461	134 668	275 751	8 945
3272	Glass & glass product mfg	—	8	3	726	22 912	618	1 162	18 700	69 174	39 197	107 108	2 661
32721	Glass & glass product mfg	—	8	3	726	22 912	618	1 162	18 700	69 174	39 197	107 108	2 661
327213	Glass container mfg	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	—	7	2	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	2	25	10	658	19 066	484	1 052	13 402	72 936	93 750	164 580	6 079
32732	Ready-mix concrete mfg	1	15	5	256	7 034	188	405	5 046	26 833	34 502	61 185	D
327320	Ready-mix concrete mfg	1	15	5	256	7 034	188	405	5 046	26 833	34 502	61 185	D
32733	Concrete pipe, brick, & block mfg	9	5	2	254	7 150	204	442	5 074	18 600	15 465	32 265	D
332	Fabricated metal product mfg	—	104	25	2 430	69 771	1 885	3 965	43 063	155 153	111 155	265 072	12 718
3323	Architectural & structural metals mfg	1	24	6	490	13 414	348	791	8 480	26 959	39 121	66 167	922
33232	Ornamental & architectural metal products mfg	—	19	4	e	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	—	10	4	340	9 036	254	587	5 784	15 041	26 520	41 631	610
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	41	8	698	15 320	578	991	11 180	28 708	12 451	40 717	4 252
33271	Machine shops	1	33	6	304	7 304	244	345	5 192	13 668	4 040	17 621	1 909
332710	Machine shops	1	33	6	304	7 304	244	345	5 192	13 668	4 040	17 621	1 909
33272	Turned product & screw, nut, & bolt mfg	—	8	2	394	8 016	334	646	5 988	15 040	8 411	23 096	2 343
332721	Precision turned product mfg	—	8	2	394	8 016	334	646	5 988	15 040	8 411	23 096	2 343
3329	Other fabricated metal product mfg	—	12	5	835	27 243	634	1 534	14 791	67 440	43 239	109 887	5 828
33291	Metal valve mfg	—	5	3	f	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg	—	3	3	f	D	D	D	D	D	D	D	D
333	Machinery mfg	2	62	13	1 176	43 808	780	1 548	23 140	65 291	76 826	150 629	3 046
3335	Metalworking machinery mfg	5	21	4	330	12 412	253	526	7 834	23 005	18 058	40 516	945
33351	Metalworking machinery mfg	5	21	4	330	12 412	253	526	7 834	23 005	18 058	40 516	945
3339	Other general-purpose machinery mfg	1	14	5	550	22 761	308	617	9 996	19 004	45 712	73 701	1 280
33399	All other general-purpose machinery mfg	1	10	4	490	20 298	262	530	8 682	15 808	41 102	65 835	1 204
333993	Packaging machinery mfg	1	6	3	287	14 408	105	252	5 494	4 251	35 852	49 229	D
334	Computer & electronic product mfg	1	33	15	2 893	91 362	1 540	3 114	32 518	200 087	120 553	318 409	12 266
3342	Communications equipment mfg	1	7	5	559	22 403	263	624	7 406	53 304	43 476	94 448	D
33429	Other communications equipment mfg	3	4	3	353	15 185	171	437	5 295	28 882	22 278	48 648	2 145
334290	Other communications equipment mfg	3	4	3	353	15 185	171	437	5 295	28 882	22 278	48 648	2 145
3344	Semiconductor & other electronic component mfg	—	10	5	1 635	40 455	1 108	2 166	20 204	99 498	46 055	144 907	6 722
33441	Semiconductor & other electronic component mfg	—	10	5	1 635	40 455	1 108	2 166	20 204	99 498	46 055	144 907	6 722
334415	Electronic resistor mfg	—	1	1	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	—	4	3	813	24 773	494	1 093	13 037	65 760	27 607	93 427	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	SARASOTA—BRADENTON, FL MSA—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3345	Navigational, measuring, medical, & control instruments mfg	1	12	5	675	27 515	156	302	4 267	45 392	28 771	74 815	2 997
33451	Navigational, measuring, medical, & control instruments mfg	1	12	5	675	27 515	156	302	4 267	45 392	28 771	74 815	2 997
334515	Electricity measuring & testing instrument mfg	—	2	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	—	14	4	465	13 723	282	475	5 233	30 045	28 499	54 766	7 032
3353	Electrical equipment mfg ..	—	9	4	419	12 706	249	410	4 571	27 852	26 959	51 012	6 925
33531	Electrical equipment mfg	—	9	4	419	12 706	249	410	4 571	27 852	26 959	51 012	6 925
335314	Relay & industrial control mfg	—	5	2	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	45	14	1 732	38 960	1 182	2 106	19 644	75 470	126 708	193 715	5 024
3366	Ship & boat building	1	19	5	1 195	26 957	772	1 336	11 996	54 036	81 981	127 323	3 557
33661	Ship & boat building	1	19	5	1 195	26 957	772	1 336	11 996	54 036	81 981	127 323	3 557
336612	Boat building	1	16	3	1 102	24 745	695	1 242	10 494	50 224	79 832	121 362	D
337	Furniture & related product mfg	1	58	5	668	16 060	532	930	10 252	37 551	22 212	59 361	730
3371	Household & institutional furniture & kitchen cabinet mfg	1	47	3	521	12 613	430	763	8 760	29 784	17 962	47 363	537
33712	Household & institutional furniture mfg	—	18	2	334	8 028	304	496	5 732	21 241	11 908	33 137	161
337124	Metal household furniture mfg	—	5	2	301	7 572	273	461	5 362	20 373	11 159	31 506	114
339	Miscellaneous mfg	1	80	11	1 184	33 966	789	1 534	17 713	115 861	37 241	148 392	8 353
3391	Medical equipment & supplies mfg	1	43	6	733	22 149	508	988	12 190	91 544	21 291	107 911	6 804
33911	Medical equipment & supplies mfg	1	43	6	733	22 149	508	988	12 190	91 544	21 291	107 911	6 804
339115	Ophthalmic goods mfg	—	2	2	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	1	37	5	451	11 817	281	546	5 523	24 317	15 950	40 481	1 549
33995	Sign mfg	—	12	3	258	6 389	160	310	2 634	10 721	4 178	15 078	329
339950	Sign mfg	—	12	3	258	6 389	160	310	2 634	10 721	4 178	15 078	329
	TALLAHASSEE, FL MSA												
31-33	Manufacturing	1	159	32	4 075	100 306	2 986	5 805	57 230	331 826	405 013	745 401	13 083
321	Wood product mfg	—	9	3	398	9 015	344	688	6 846	22 000	38 113	59 677	748
3212	Veneer, plywood, & engineered wood product mfg	—	3	3	e	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg	—	3	3	e	D	D	D	D	D	D	D	D
321212	Softwood veneer & plywood mfg	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	1	44	8	777	21 958	616	1 269	13 467	44 951	38 951	83 733	3 541
3231	Printing & related support activities	1	44	8	777	21 958	616	1 269	13 467	44 951	38 951	83 733	3 541
32311	Printing	—	41	8	766	21 758	607	1 259	13 321	44 554	38 858	83 244	3 518
323110	Commercial lithographic printing ..	—	20	4	359	11 847	280	639	6 622	24 189	24 948	49 079	2 006
334	Computer & electronic product mfg	—	10	5	1 036	28 756	575	1 195	11 550	135 356	212 588	357 203	3 782
3342	Communications equipment mfg	—	5	3	802	24 181	448	942	9 859	123 660	201 162	334 423	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	5	4	563	12 165	478	926	8 945	58 986	46 088	105 412	1 041

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	TALLAHASSEE, FL MSA—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg	3	12	3	509	8 641	428	708	5 544	14 319	13 899	27 973	570
3371	Household & institutional furniture & kitchen cabinet mfg	4	10	2	e	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg	5	3	2	e	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg	5	2	2	e	D	D	D	D	D	D	D	D
	TAMPA-ST. PETERSBURG—CLEARWATER, FL MSA												
31-33	Manufacturing	1	2 580	642	77 098	2 246 245	50 591	100 405	1 146 124	6 317 356	6 478 254	12 701 083	516 671
311	Food mfg	—	112	32	5 576	136 342	4 089	8 773	83 002	667 984	944 829	1 607 515	28 730
3114	Fruit & vegetable preserving & specialty food mfg	—	10	5	g	D	D	D	D	D	D	D	8 999
31141	Frozen food mfg	—	4	4	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg	—	3	3	g	D	D	D	D	D	D	D	D
3115	Dairy product mfg	—	8	4	613	16 147	481	1 066	12 820	168 121	146 664	314 705	8 241
31151	Dairy product (except frozen) mfg	—	7	3	e	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	4	3	e	D	D	D	D	D	D	D	6 211
3116	Meat product mfg	—	14	5	732	16 612	564	1 200	10 465	91 296	68 215	153 580	1 021
31161	Animal slaughtering & processing	—	14	5	732	16 612	564	1 200	10 465	91 296	68 215	153 580	1 021
311612	Meat processed from carcasses	—	5	2	f	D	D	D	D	D	D	D	402
3117	Seafood product preparation & packaging ..	—	7	2	f	D	D	D	D	D	D	D	2 482
31171	Seafood product preparation & packaging	—	7	2	f	D	D	D	D	D	D	D	2 482
311712	Fresh & frozen seafood processing ..	—	7	2	f	D	D	D	D	D	D	D	2 482
3118	Bakeries & tortilla mfg	—	47	5	894	20 819	505	1 058	10 541	47 851	41 045	88 537	4 298
31181	Bread & bakery product mfg	1	45	3	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	1	19	2	484	13 562	185	426	4 719	27 275	11 863	39 104	1 759
31182	Cookie, cracker, & pasta mfg	—	2	2	e	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg ..	—	2	2	e	D	D	D	D	D	D	D	D
3119	Other food mfg	6	16	7	434	10 608	285	420	5 029	39 481	32 011	72 020	2 458
31199	All other food mfg	5	7	5	257	6 866	152	266	2 715	18 339	22 288	41 212	1 452
312	Beverage & tobacco product mfg	2	24	9	1 867	46 494	1 075	2 266	24 864	279 549	275 297	555 265	21 729
3121	Beverage mfg	1	18	5	973	30 123	374	739	11 538	77 848	208 935	286 864	12 838
31211	Soft drink & ice mfg	1	14	4	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	—	4	2	f	D	D	D	D	D	D	D	D
3122	Tobacco mfg	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
31222	Tobacco product mfg ...	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
312229	Other tobacco product mfg	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
314	Textile product mills	5	66	6	e	D	D	D	D	D	D	D	467
3149	Other textile product mills ..	4	45	6	376	6 355	293	434	3 858	11 772	12 364	24 145	393
315	Apparel mfg	—	44	13	3 580	73 451	2 279	4 306	32 316	232 969	276 370	502 984	7 788
3152	Cut & sew apparel mfg	—	34	13	3 551	72 925	2 253	4 261	31 959	231 871	275 218	500 734	7 702
31521	Cut & sew apparel contractors	1	9	1	e	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	—	6	1	e	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	—	10	5	2 012	50 027	1 464	2 770	20 620	188 751	238 580	421 364	4 429
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	—	2	2	g	D	D	D	D	D	D	D	D
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	—	2	2	f	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con.												
	Manufacturing—Con.												
315	Apparel mfg—Con.												
3152	Cut & sew apparel mfg—Con.												
31523	Women's & girls' cut & sew apparel mfg	1	12	5	1 043	14 340	362	683	5 410	23 873	29 962	53 272	3 008
315232	Women's & girls' cut & sew blouse & shirt mfg	1	4	1	e	D	D	D	D	D	D	D	D
315234	Women's & girls' cut & sew suit, coat, skirt mfg	—	2	2	e	D	D	D	D	D	D	D	D
315239	Women's & girls' cut & sew other outerwear mfg	1	5	2	346	5 250	101	192	1 429	15 973	17 951	33 517	D
316	Leather & allied product mfg .	3	11	4	529	9 191	416	747	5 453	20 685	14 225	34 868	D
3169	Other leather & allied product mfg	—	9	3	e	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	—	9	3	e	D	D	D	D	D	D	D	D
321	Wood product mfg	—	70	29	2 811	62 785	2 293	4 688	43 185	154 005	216 374	370 433	5 317
3212	Veneer, plywood, & engineered wood product mfg	4	10	6	e	D	D	D	D	D	D	D	882
32121	Veneer, plywood, & engineered wood product mfg	4	10	6	e	D	D	D	D	D	D	D	882
321214	Truss mfg	4	10	6	e	D	D	D	D	D	D	D	882
3219	Other wood product mfg ...	—	57	21	2 292	51 862	1 862	3 820	35 704	127 736	162 128	289 917	3 506
32191	Millwork	—	22	8	567	12 124	417	804	7 624	24 192	39 522	64 370	757
321911	Wood window & door mfg	—	11	5	346	7 151	235	433	4 306	16 009	30 486	47 237	438
32192	Wood container & pallet mfg	—	10	4	413	9 207	360	746	6 824	19 434	9 975	29 175	1 133
321920	Wood container & pallet mfg	—	10	4	413	9 207	360	746	6 824	19 434	9 975	29 175	1 133
32199	All other wood product mfg	—	25	9	1 312	30 531	1 085	2 270	21 256	84 110	112 631	196 372	1 616
321991	Manufactured home (mobile home) mfg ..	—	8	6	1 091	24 770	900	1 906	17 060	73 839	102 288	175 833	1 358
322	Paper mfg	1	29	16	1 239	39 335	922	1 891	24 245	131 550	206 070	334 819	15 791
3222	Converted paper product mfg	1	29	16	1 239	39 335	922	1 891	24 245	131 550	206 070	334 819	15 791
32221	Paperboard container mfg	—	15	10	894	27 824	713	1 457	20 065	87 610	159 483	244 761	14 415
322211	Corrugated & solid fiber box mfg	1	9	6	603	18 953	482	947	13 120	45 559	80 070	125 915	D
323	Printing & related support activities	2	382	48	4 822	133 328	3 514	6 534	83 283	301 585	264 971	568 841	33 016
3231	Printing & related support activities	2	382	48	4 822	133 328	3 514	6 534	83 283	301 585	264 971	568 841	33 016
32311	Printing	2	350	42	4 494	124 439	3 258	6 107	77 325	285 826	260 810	548 976	31 407
323110	Commercial lithographic printing ..	3	149	24	2 383	68 709	1 820	3 638	45 905	147 800	143 662	291 539	23 525
323112	Commercial flexographic printing .	—	9	6	290	8 224	196	415	5 120	38 486	29 089	67 975	1 893
323113	Commercial screen printing	5	36	4	526	12 325	388	658	7 324	26 751	13 134	40 451	1 233
323114	Quick printing	4	106	3	572	12 118	393	574	7 848	23 938	12 477	36 396	1 329
323116	Manifold business form printing	—	8	3	457	16 421	237	367	5 985	33 667	52 683	87 666	D
32312	Support activities for printing	2	32	6	328	8 889	256	427	5 958	15 759	4 161	19 865	1 609
324	Petroleum & coal products mfg	1	9	5	277	10 822	175	378	5 649	71 530	78 280	150 425	1 654
3241	Petroleum & coal products mfg	1	9	5	277	10 822	175	378	5 649	71 530	78 280	150 425	1 654
325	Chemical mfg	—	107	31	4 115	156 536	2 666	5 682	85 656	626 910	915 188	1 543 983	88 372
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	—	13	6	1 342	60 158	910	2 124	37 026	281 783	600 644	888 822	61 552
32531	Fertilizer mfg	—	12	6	g	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg	—	3	3	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	13	7	1 479	56 134	953	2 109	30 060	207 229	170 364	372 460	16 984
32541	Pharmaceutical & medicine mfg	—	13	7	1 479	56 134	953	2 109	30 060	207 229	170 364	372 460	16 984
325412	Pharmaceutical preparation mfg	—	11	7	g	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con. Manufacturing—Con.												
325	Chemical mfg—Con.												
3255	Paint, coating, & adhesive mfg	3	23	5	305	9 860	185	290	3 618	29 013	45 271	75 207	2 189
325510	Paint & coating mfg	2	18	4	257	8 502	155	234	2 875	23 003	35 255	59 088	1 659
3256	Soap, cleaning compound, & toilet preparation mfg ..	3	29	5	375	9 185	233	414	4 551	47 168	39 954	87 107	1 431
32561	Soap & cleaning compound mfg	2	24	3	262	6 779	162	329	3 590	36 658	34 565	71 223	1 169
3259	Other chemical product mfg	1	17	3	360	14 440	218	449	6 702	34 314	30 718	64 853	2 817
32599	All other chemical product & preparation mfg	1	11	3	326	13 363	200	412	6 163	31 383	26 582	57 837	2 712
325991	Custom compounding of purchased resin...	—	6	2	254	8 170	154	316	3 247	23 830	18 832	42 428	D
326	Plastics & rubber products mfg	2	132	48	3 663	89 953	2 900	5 674	59 258	225 177	202 963	427 772	20 222
3261	Plastics product mfg	3	111	41	3 081	75 183	2 395	4 581	47 321	181 655	179 932	360 815	18 567
32611	Unsupported plastics film, sheet, & bag mfg ..	3	12	2	272	8 577	219	434	4 616	19 591	21 801	41 191	2 147
32619	Other plastics product mfg	2	74	30	2 340	54 330	1 768	3 326	33 604	132 708	104 447	237 291	11 709
326199	All other plastics product mfg	2	71	29	2 275	52 711	1 713	3 208	32 413	128 275	100 807	229 203	11 530
3262	Rubber product mfg	2	21	7	582	14 770	505	1 093	11 937	43 522	23 031	66 957	1 655
32629	Other rubber product mfg	2	12	4	465	11 963	405	869	9 692	37 715	15 388	53 526	1 269
326299	All other rubber product mfg	2	9	4	454	11 787	399	858	9 566	37 344	15 099	52 864	1 235
327	Nonmetallic mineral product mfg	1	122	29	2 717	75 403	1 951	4 078	48 769	342 261	289 701	632 266	26 032
3273	Cement & concrete product mfg	—	79	19	2 043	52 998	1 451	2 952	34 021	260 290	230 009	490 291	18 841
32732	Ready-mix concrete mfg	—	44	8	636	17 470	460	976	11 845	61 680	107 302	169 018	5 610
327320	Ready-mix concrete mfg	—	44	8	636	17 470	460	976	11 845	61 680	107 302	169 018	5 610
32733	Concrete pipe, brick, & block mfg	2	14	3	413	7 065	340	530	5 200	22 594	21 926	44 033	1 632
327332	Concrete pipe mfg	1	5	3	313	4 512	268	363	3 294	11 309	11 085	21 814	748
32739	Other concrete product mfg	1	18	5	781	20 351	498	1 098	12 132	78 603	39 108	120 755	5 353
327390	Other concrete product mfg	1	18	5	781	20 351	498	1 098	12 132	78 603	39 108	120 755	5 353
331	Primary metal mfg	—	22	10	1 103	32 765	882	1 928	23 211	94 867	113 591	209 377	4 706
3313	Alumina & aluminum production & processing...	—	3	2	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing.....	—	3	2	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	—	2	2	f	D	D	D	D	D	D	D	D
3315	Foundries	2	12	4	267	6 842	225	419	4 866	10 573	6 543	17 238	867
332	Fabricated metal product mfg	—	384	89	8 046	225 798	5 648	11 263	134 265	524 920	479 923	1 002 402	23 895
3321	Forging & stamping	1	17	7	599	14 903	407	865	7 212	30 920	29 752	60 078	1 725
33211	Forging & stamping	1	17	7	599	14 903	407	865	7 212	30 920	29 752	60 078	1 725
332116	Metal stamping	—	10	5	497	11 944	358	769	5 654	24 705	18 393	42 850	1 512
3323	Architectural & structural metals mfg	1	107	37	2 910	72 599	1 877	3 741	37 735	184 400	159 108	345 276	6 717
33231	Plate work & fabricated structural product mfg ..	—	32	9	551	18 250	384	806	9 525	45 222	50 745	95 988	2 387
332312	Fabricated structural metal mfg	—	21	7	424	14 062	314	655	8 222	36 782	41 406	78 305	1 361
33232	Ornamental & architectural metal products mfg	1	75	28	2 359	54 349	1 493	2 935	28 210	139 178	108 363	249 288	4 330
332321	Metal window & door mfg	1	21	7	815	18 287	398	780	7 602	35 501	41 067	77 221	1 269
332322	Sheet metal work mfg	1	37	17	1 185	28 077	826	1 609	15 931	74 968	51 584	127 322	2 794
332323	Ornamental & architectural metal work mfg	—	17	4	359	7 985	269	546	4 677	28 709	15 712	44 745	267
3324	Boiler, tank, & shipping container mfg	—	12	5	518	24 687	422	913	18 831	50 911	127 554	181 689	1 157
33243	Metal can, box, & other metal container (light gauge) mfg	—	5	3	357	19 364	293	660	15 054	43 808	119 332	166 284	995
332431	Metal can mfg	—	2	2	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3325	Hardware mfg.....	—	8	4	268	5 840	236	459	3 936	13 428	10 364	23 896	709
33251	Hardware mfg.....	—	8	4	268	5 840	236	459	3 936	13 428	10 364	23 896	709
332510	Hardware mfg.....	—	8	4	268	5 840	236	459	3 936	13 428	10 364	23 896	709
3327	Machine shops, turned product & screw, nut, & bolt mfg.....	1	146	16	1 494	41 100	1 132	2 075	27 183	80 735	49 043	128 536	6 006
33271	Machine shops.....	2	126	9	1 004	28 845	811	1 429	20 216	54 467	28 047	81 936	3 984
332710	Machine shops.....	2	126	9	1 004	28 845	811	1 429	20 216	54 467	28 047	81 936	3 984
33272	Turned product & screw, nut, & bolt mfg.....	—	20	7	490	12 255	321	646	6 967	26 268	20 996	46 600	2 022
332721	Precision turned product mfg.....	—	15	7	462	11 452	300	615	6 596	24 883	20 385	44 582	1 829
3328	Coating, engraving, heat treating, & allied activities.	1	40	5	420	11 042	306	633	6 587	24 421	16 665	40 606	1 573
33281	Coating, engraving, heat treating, & allied activities.....	1	40	5	420	11 042	306	633	6 587	24 421	16 665	40 606	1 573
3329	Other fabricated metal product mfg.....	—	34	9	1 447	46 411	966	2 033	26 721	112 092	64 796	170 398	3 839
33291	Metal valve mfg.....	—	6	3	804	26 854	469	970	11 827	63 258	25 932	82 460	1 515
332912	Fluid power valve & hose fitting mfg.....	—	3	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	—	28	6	643	19 557	497	1 063	14 894	48 834	38 864	87 938	2 324
332993	Ammunition (except small arms) mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg.....	1	22	5	e	D	D	D	D	D	D	D	D
333	Machinery mfg.....	1	206	59	5 163	170 383	2 802	5 564	76 972	458 265	312 982	756 080	38 839
3332	Industrial machinery mfg ..	—	28	9	603	22 771	270	518	6 847	59 513	41 958	98 222	4 396
33329	Other industrial machinery mfg.....	—	27	9	f	D	D	D	D	D	D	D	D
333295	Semiconductor machinery mfg.....	—	3	3	254	12 445	59	132	1 482	41 078	26 398	64 637	2 840
3333	Commercial & service industry machinery mfg ..	—	28	14	1 715	49 899	777	1 541	18 974	188 929	147 200	330 062	23 871
33331	Commercial & service industry machinery mfg.....	—	28	14	1 715	49 899	777	1 541	18 974	188 929	147 200	330 062	23 871
333314	Optical instrument & lens mfg.....	—	6	2	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg.....	1	15	8	940	28 132	253	508	7 708	39 674	56 293	97 516	D
3335	Metalworking machinery mfg.....	1	66	15	1 080	37 388	780	1 578	23 833	68 565	25 362	91 731	4 196
33351	Metalworking machinery mfg.....	1	66	15	1 080	37 388	780	1 578	23 833	68 565	25 362	91 731	4 196
333511	Industrial mold mfg ...	—	27	6	451	18 439	321	752	12 232	27 768	8 591	35 571	1 792
333514	Special die & tool, die set, jig, & fixture mfg ..	1	24	4	313	10 087	235	408	6 208	22 775	7 569	29 935	1 414
3339	Other general-purpose machinery mfg.....	1	55	17	1 494	53 405	796	1 628	23 420	125 173	80 820	201 906	5 175
33399	All other general-purpose machinery mfg.....	—	34	15	1 345	48 966	691	1 470	21 189	113 747	73 431	183 150	4 350
333993	Packaging machinery mfg.....	—	12	10	769	32 501	389	872	12 952	63 482	54 768	116 695	1 992
333999	All other miscellaneous general-purpose machinery mfg.....	1	17	4	452	11 792	217	418	5 531	40 173	12 291	49 662	D
334	Computer & electronic product mfg.....	1	151	63	15 136	537 238	7 280	14 493	183 232	1 162 919	1 087 708	2 185 328	124 071
3341	Computer & peripheral equipment mfg.....	9	15	5	878	29 974	610	1 396	20 634	5 081	94 300	41 087	5 554
33411	Computer & peripheral equipment mfg.....	9	15	5	878	29 974	610	1 396	20 634	5 081	94 300	41 087	5 554
334111	Electronic computer mfg.....	9	5	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg.....	8	8	4	253	8 405	102	269	2 648	12 060	12 890	25 397	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3342	Communications equipment mfg	4	22	8	2 500	112 284	1 166	2 373	41 605	152 915	168 382	322 183	15 450
33421	Telephone apparatus mfg	9	7	3	1 165	67 808	381	839	14 661	80 519	65 490	144 948	12 069
334210	Telephone apparatus mfg	9	7	3	1 165	67 808	381	839	14 661	80 519	65 490	144 948	12 069
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	11	5	1 316	43 511	775	1 512	26 589	69 232	100 599	171 913	3 332
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	11	5	1 316	43 511	775	1 512	26 589	69 232	100 599	171 913	3 332
3344	Semiconductor & other electronic component mfg	—	52	30	5 183	118 289	3 314	6 277	59 342	395 929	523 000	909 393	77 824
33441	Semiconductor & other electronic component mfg	—	52	30	5 183	118 289	3 314	6 277	59 342	395 929	523 000	909 393	77 824
334412	Bare printed circuit board mfg	1	17	11	1 057	23 129	888	1 892	15 980	51 405	60 133	111 745	D
334415	Electronic resistor mfg	4	4	3	339	7 762	226	403	4 179	13 469	4 527	18 014	D
334417	Electronic connector mfg	—	2	2	e	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg	—	7	6	2 536	49 694	1 509	2 988	29 306	275 716	422 187	690 105	66 903
334419	Other electronic component mfg	2	14	4	522	18 916	204	360	1 358	8 108	5 225	13 538	D
3345	Navigational, measuring, medical, & control instruments mfg	—	52	19	6 176	264 228	1 868	3 770	52 793	584 358	285 308	871 397	24 026
33451	Navigational, measuring, medical, & control instruments mfg	—	52	19	6 176	264 228	1 868	3 770	52 793	584 358	285 308	871 397	24 026
334510	Electromedical & electrotherapeutic apparatus mfg	—	7	3	1 059	24 499	605	1 157	11 228	44 660	64 785	112 451	3 791
334511	Search, detection, navigation, & guidance instrument mfg	—	11	9	4 373	213 156	932	1 984	32 765	474 222	180 655	652 377	17 044
334513	Industrial process control instrument mfg	3	9	3	314	11 343	144	279	3 708	25 416	14 934	41 022	1 112
3346	Mfg & reproducing magnetic & optical media	—	4	1	e	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	—	4	1	e	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing	—	4	1	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	46	25	2 598	75 890	1 767	3 399	37 440	200 272	142 431	344 105	15 178
3353	Electrical equipment mfg ..	1	22	12	1 197	38 016	797	1 459	17 436	91 749	65 159	157 902	5 285
33531	Electrical equipment mfg	1	22	12	1 197	38 016	797	1 459	17 436	91 749	65 159	157 902	5 285
335311	Power, distribution, & specialty transformer mfg	—	5	3	565	13 697	473	817	9 317	25 920	11 213	37 763	D
335314	Relay & industrial control mfg	2	11	6	452	17 361	230	440	5 618	44 204	45 634	90 337	2 623
3359	Other electrical equipment & component mfg	1	18	11	1 227	34 561	813	1 585	17 401	100 963	71 560	173 228	9 715
33593	Wiring device mfg	2	13	7	841	22 960	544	1 031	11 232	69 144	43 600	113 014	9 329
335931	Current-carrying wiring device mfg	1	12	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	104	30	3 394	91 388	2 727	5 501	57 862	190 741	189 602	380 648	11 132
3362	Motor vehicle body & trailer mfg	—	20	8	670	16 547	528	1 040	10 593	33 245	62 736	96 525	1 452
33621	Motor vehicle body & trailer mfg	—	20	8	670	16 547	528	1 040	10 593	33 245	62 736	96 525	1 452
336211	Motor vehicle body mfg	—	10	4	272	7 702	197	385	4 256	15 186	34 276	49 869	645
336214	Travel trailer & camper mfg	—	9	3	e	D	D	D	D	D	D	D	D

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con.												
	Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg ...	—	28	6	858	22 103	716	1 499	12 600	47 588	44 123	90 214	5 097
33637	Motor vehicle metal stamping	—	3	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	3	2	f	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	1	10	5	546	15 433	378	719	8 649	35 548	25 736	61 431	3 271
33641	Aerospace product & parts mfg	1	10	5	546	15 433	378	719	8 649	35 548	25 736	61 431	3 271
336413	Other aircraft part & auxiliary equipment mfg	2	8	3	e	D	D	D	D	D	D	D	D
3366	Ship & boat building	3	40	11	1 274	36 096	1 070	2 177	25 207	71 704	53 217	125 934	1 083
33661	Ship & boat building	3	40	11	1 274	36 096	1 070	2 177	25 207	71 704	53 217	125 934	1 083
336611	Ship building & repairing	4	14	4	531	15 434	467	982	12 286	33 513	16 044	49 557	627
336612	Boat building	2	26	7	743	20 662	603	1 195	12 921	38 191	37 173	76 377	456
337	Furniture & related product mfg	3	201	32	2 821	59 993	2 065	3 765	36 195	126 675	116 645	240 466	9 108
3371	Household & institutional furniture & kitchen cabinet mfg	5	150	14	1 285	25 256	1 022	1 716	17 687	45 892	42 723	88 641	1 883
33711	Wood kitchen cabinet & counter top mfg	4	104	9	760	14 196	616	1 010	10 224	25 557	20 289	45 877	1 205
337110	Wood kitchen cabinet & counter top mfg ...	4	104	9	760	14 196	616	1 010	10 224	25 557	20 289	45 877	1 205
33712	Household & institutional furniture mfg	5	46	5	525	11 060	406	706	7 463	20 335	22 434	42 764	678
337127	Institutional furniture mfg	6	8	2	294	6 934	206	370	4 370	11 149	11 477	22 594	387
3372	Office furniture (including fixtures) mfg	2	35	11	746	17 235	544	1 016	10 450	38 255	30 088	68 894	987
33721	Office furniture (including fixtures) mfg	2	35	11	746	17 235	544	1 016	10 450	38 255	30 088	68 894	987
337215	Showcase, partition, shelving, & locker mfg	3	19	6	405	8 667	265	483	4 949	20 807	16 387	37 608	497
3379	Other furniture related product mfg	2	16	7	790	17 502	499	1 033	8 058	42 528	43 834	82 931	6 238
33791	Mattress mfg	5	6	3	253	6 534	117	270	1 833	18 430	13 617	29 023	D
337910	Mattress mfg	5	6	3	253	6 534	117	270	1 833	18 430	13 617	29 023	D
33792	Blind & shade mfg	—	10	4	537	10 968	382	763	6 225	24 098	30 217	53 908	D
337920	Blind & shade mfg	—	10	4	537	10 968	382	763	6 225	24 098	30 217	53 908	D
339	Miscellaneous mfg	1	341	62	7 030	209 197	4 644	8 692	94 667	486 019	331 301	815 184	39 900
3391	Medical equipment & supplies mfg	1	168	30	4 184	136 076	2 708	5 086	54 319	253 915	191 482	446 711	25 302
33911	Medical equipment & supplies mfg	1	168	30	4 184	136 076	2 708	5 086	54 319	253 915	191 482	446 711	25 302
339112	Surgical & medical instrument mfg	1	26	6	1 263	52 846	742	1 180	16 818	86 121	79 264	168 147	9 309
339113	Surgical appliance & supplies mfg	—	29	10	847	30 785	389	719	7 194	84 648	50 824	135 638	3 179
339115	Ophthalmic goods mfg	—	8	4	1 255	33 898	989	2 319	19 679	45 902	47 592	91 477	11 660
339116	Dental laboratories ...	4	96	8	711	16 557	519	802	9 729	31 281	11 979	43 594	988
3399	Other miscellaneous mfg ...	1	173	32	2 846	73 121	1 936	3 606	40 348	232 104	139 819	368 473	14 598
33992	Sporting & athletic goods mfg	2	30	6	359	7 105	250	403	3 648	22 419	20 174	40 318	D
339920	Sporting & athletic goods mfg	2	30	6	359	7 105	250	403	3 648	22 419	20 174	40 318	D
33994	Office supplies (except paper) mfg	—	9	2	f	D	D	D	D	D	D	D	D
339941	Pen & mechanical pencil mfg	—	1	1	f	D	D	D	D	D	D	D	D
33995	Sign mfg	2	65	13	1 104	28 420	731	1 364	14 246	60 024	47 632	106 616	2 796
339950	Sign mfg	2	65	13	1 104	28 420	731	1 364	14 246	60 024	47 632	106 616	2 796
33999	All other miscellaneous mfg	1	40	10	581	12 378	448	873	8 273	50 314	31 377	81 387	2 304
339999	All other miscellaneous mfg	1	31	5	295	5 626	213	371	3 631	19 977	13 732	33 573	863

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	WEST PALM BEACH-BOCA RATON, FL MSA												
31-33	Manufacturing	-	1 051	184	26 262	1 138 101	13 889	27 413	372 936	4 116 069	2 346 628	6 344 506	160 016
311	Food mfg.....	1	76	20	2 942	96 579	1 724	4 413	59 267	453 195	443 007	861 812	33 428
3113	Sugar & confectionery product mfg.....	-	13	8	g	D	D	D	D	D	D	D	D
31131	Sugar mfg.....	-	7	7	g	D	D	D	D	D	D	D	D
311311	Sugarcane mills.....	-	6	6	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	1	44	7	608	14 075	402	737	8 819	71 166	26 868	98 061	1 648
31181	Bread & bakery product mfg.....	1	41	7	604	14 011	398	734	8 774	70 782	26 578	97 386	1 630
311812	Commercial bakeries..	1	15	4	310	8 799	200	405	5 586	60 882	21 305	82 210	1 184
312	Beverage & tobacco product mfg.....	-	5	1	e	D	D	D	D	D	D	D	D
3121	Beverage mfg.....	-	5	1	e	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg.....	-	4	1	e	D	D	D	D	D	D	D	D
312111	Soft drink mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
313	Textile mills.....	-	6	2	400	7 046	347	724	5 044	14 433	7 552	22 180	878
3132	Fabric mills.....	-	4	1	e	D	D	D	D	D	D	D	D
31322	Narrow fabric mills & schiffli machine embroidery.....	-	1	1	e	D	D	D	D	D	D	D	D
313221	Narrow fabric mills.....	-	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills.....	1	37	7	420	10 632	267	483	3 925	17 842	14 437	32 413	380
3149	Other textile product mills..	-	19	5	284	7 874	164	300	2 315	12 135	10 764	22 791	260
315	Apparel mfg.....	2	20	1	336	4 421	316	626	3 716	9 342	7 403	16 111	145
3152	Cut & sew apparel mfg....	2	15	1	327	4 308	308	616	3 636	9 090	7 198	15 655	D
31523	Women's & girls' cut & sew apparel mfg.....	-	6	1	283	3 530	268	541	3 003	7 133	6 192	12 699	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
321	Wood product mfg.....	5	28	8	504	12 306	378	748	7 610	29 551	27 381	56 886	1 212
3212	Veneer, plywood, & engineered wood product mfg.....	5	7	5	320	7 615	239	500	4 387	21 212	18 037	39 271	513
32121	Veneer, plywood, & engineered wood product mfg.....	5	7	5	320	7 615	239	500	4 387	21 212	18 037	39 271	513
321214	Truss mfg.....	5	5	5	e	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	3	147	14	1 163	30 327	761	1 321	17 345	67 896	35 249	102 883	3 264
3231	Printing & related support activities.....	3	147	14	1 163	30 327	761	1 321	17 345	67 896	35 249	102 883	3 264
32311	Printing.....	3	135	13	1 069	27 218	687	1 157	15 375	57 954	34 005	91 654	2 701
323110	Commercial lithographic printing..	3	59	5	545	14 173	328	585	8 074	30 521	17 747	48 145	1 518
325	Chemical mfg.....	4	35	10	851	19 336	510	736	10 655	70 117	67 382	137 638	10 597
3254	Pharmaceutical & medicine mfg.....	9	8	2	412	7 195	266	379	4 952	21 006	13 265	34 114	1 027
32541	Pharmaceutical & medicine mfg.....	9	8	2	412	7 195	266	379	4 952	21 006	13 265	34 114	1 027
325414	Biological product (except diagnostic) mfg.....	9	2	1	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	2	34	11	883	18 476	734	1 094	12 412	48 139	31 710	80 276	2 205
3261	Plastics product mfg.....	2	28	9	708	15 023	581	772	10 117	41 316	25 333	67 089	D
32619	Other plastics product mfg.....	2	18	8	640	12 568	540	699	9 059	36 637	20 389	57 446	1 692
326199	All other plastics product mfg.....	2	17	8	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	1	67	19	1 130	33 811	783	1 656	22 007	88 602	102 236	187 710	5 164
3273	Cement & concrete product mfg.....	-	38	15	830	25 079	604	1 313	17 499	65 570	67 313	133 373	3 612
32732	Ready-mix concrete mfg.....	-	16	7	353	11 205	276	593	8 164	31 520	46 829	79 214	2 171
327320	Ready-mix concrete mfg.....	-	16	7	353	11 205	276	593	8 164	31 520	46 829	79 214	2 171
32739	Other concrete product mfg.....	1	13	7	396	11 526	264	583	7 603	22 801	11 149	33 704	711
327390	Other concrete product mfg.....	1	13	7	396	11 526	264	583	7 603	22 801	11 149	33 704	711

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	WEST PALM BEACH-BOCA RATON, FL MSA—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg	2	135	21	1 508	47 318	1 095	2 032	28 674	107 551	71 847	178 742	5 402
3323	Architectural & structural metals mfg	1	50	10	724	23 468	530	1 108	14 331	54 385	45 621	99 305	2 365
33232	Ornamental & architectural metal products mfg	1	39	8	607	19 316	442	910	11 705	40 683	30 561	70 623	1 081
332322	Sheet metal work mfg	—	16	5	314	9 716	222	481	5 693	20 548	13 890	33 847	886
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	39	4	e	D	D	D	D	D	D	D	D
33271	Machine shops	1	37	4	365	11 567	276	408	7 362	24 020	9 209	33 534	1 730
332710	Machine shops	1	37	4	365	11 567	276	408	7 362	24 020	9 209	33 534	1 730
333	Machinery mfg	2	45	12	861	31 387	537	1 097	15 377	70 960	51 159	118 639	3 638
3333	Commercial & service industry machinery mfg	6	11	5	253	7 567	111	177	2 209	12 872	9 459	21 672	554
33331	Commercial & service industry machinery mfg	6	11	5	253	7 567	111	177	2 209	12 872	9 459	21 672	554
3339	Other general-purpose machinery mfg	1	14	3	262	11 226	203	448	6 715	30 727	23 910	51 592	1 083
334	Computer & electronic product mfg	—	76	28	6 963	377 645	3 227	6 198	86 376	1 065 706	938 994	2 017 049	57 048
3342	Communications equipment mfg	—	16	6	4 576	302 937	1 800	3 603	54 617	899 131	721 173	1 629 125	41 315
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	8	4	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	8	4	h	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	—	7	2	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	—	7	2	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	1	25	13	1 824	50 855	1 115	1 968	21 690	114 969	181 099	296 776	D
33441	Semiconductor & other electronic component mfg	1	25	13	1 824	50 855	1 115	1 968	21 690	114 969	181 099	296 776	D
334412	Bare printed circuit board mfg	1	5	2	261	4 470	198	242	2 776	10 466	18 788	28 122	990
334413	Semiconductor & related device mfg	7	6	4	298	9 038	184	318	3 812	25 114	11 591	36 734	6 256
334418	Printed circuit assembly (electronic assembly) mfg	—	2	2	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	2	19	6	320	11 773	140	262	3 832	20 536	13 805	36 196	989
33451	Navigational, measuring, medical, & control instruments mfg	2	19	6	320	11 773	140	262	3 832	20 536	13 805	36 196	989
336	Transportation equipment mfg	—	35	7	i	D	D	D	D	D	D	D	25 269
3364	Aerospace product & parts mfg	—	8	5	i	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	8	5	i	D	D	D	D	D	D	D	D
336411	Aircraft mfg	—	1	1	f	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg	—	2	1	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	3	126	8	904	23 063	690	1 387	14 477	52 370	45 430	98 258	2 432
3371	Household & institutional furniture & kitchen cabinet mfg	6	102	5	546	12 704	457	874	9 362	24 353	19 000	43 478	1 228
33712	Household & institutional furniture mfg	6	53	3	325	7 294	274	506	5 296	14 446	11 433	26 010	532
339	Miscellaneous mfg	6	151	9	950	27 371	676	1 175	14 768	63 602	41 832	105 194	3 216
3391	Medical equipment & supplies mfg	4	81	4	518	16 044	361	634	8 225	35 237	18 203	53 843	1 261
33911	Medical equipment & supplies mfg	4	81	4	518	16 044	361	634	8 225	35 237	18 203	53 843	1 261
3399	Other miscellaneous mfg	8	70	5	432	11 327	315	541	6 543	28 365	23 629	51 351	1 955

Table 2. Industry Statistics for Metropolitan Areas: 1997—Con.

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees, h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 3. Industry Statistics for Counties: 1997

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ALACHUA COUNTY, FL													
31-33	Manufacturing	1	151	42	5 251	157 142	4 196	7 589	112 601	458 286	546 942	1 010 325	73 181
321	Wood product mfg	—	10	6	605	17 828	528	1 200	14 787	50 533	73 656	124 298	4 546
335	Electrical equipment, appliance, & component mfg	—	3	2	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	—	2	2	g	D	D	D	D	D	D	D	D
33591	Battery mfg	—	1	1	g	D	D	D	D	D	D	D	D
335911	Storage battery mfg...	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	4	6	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	4	4	2	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	4	4	2	f	D	D	D	D	D	D	D	D
336612	Boat building	4	4	2	f	D	D	D	D	D	D	D	D
BAY COUNTY, FL													
31-33	Manufacturing	—	136	28	3 492	108 697	2 588	5 221	71 286	330 523	419 638	719 007	38 530
322	Paper mfg	—	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	—	1	1	f	D	D	D	D	D	D	D	D
32211	Pulp mills	—	1	1	f	D	D	D	D	D	D	D	D
322110	Pulp mills	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	14	4	651	16 339	583	1 087	12 053	36 662	36 303	74 146	D
BRADFORD COUNTY, FL													
31-33	Manufacturing	—	15	6	698	10 655	584	951	7 682	21 964	23 411	44 109	518
BREVARD COUNTY, FL													
31-33	Manufacturing	—	494	113	20 832	753 861	10 572	20 154	260 783	1 855 675	1 522 730	3 450 723	105 557
326	Plastics & rubber products mfg	5	26	8	516	8 103	382	589	5 561	17 590	16 346	34 048	1 308
332	Fabricated metal product mfg	2	83	20	1 359	36 903	1 040	1 957	25 402	84 870	35 390	119 115	4 619
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	36	8	586	15 475	435	753	10 716	27 430	11 746	38 333	2 404
33271	Machine shops	1	32	7	506	12 904	367	586	8 913	23 033	8 892	30 985	2 114
332710	Machine shops	1	32	7	506	12 904	367	586	8 913	23 033	8 892	30 985	2 114
333	Machinery mfg	1	27	12	1 255	33 166	865	1 711	18 845	66 352	109 535	182 526	3 159
3333	Commercial & service industry machinery mfg ..	—	3	3	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg ..	—	3	3	f	D	D	D	D	D	D	D	D
333313	Office machinery mfg ..	—	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	BREVARD COUNTY, FL—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg.....	-	70	29	11 111	438 572	4 415	8 436	105 423	845 463	815 882	1 728 596	52 871
3342	Communications equipment mfg.....	3	14	6	f	D	D	D	D	D	D	D	2 032
3344	Semiconductor & other electronic component mfg.....	-	23	10	3 085	95 117	2 361	4 563	51 155	149 608	112 693	260 733	D
33441	Semiconductor & other electronic component mfg.....	-	23	10	3 085	95 117	2 361	4 563	51 155	149 608	112 693	260 733	D
334412	Bare printed circuit board mfg.....	-	6	3	f	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg...	-	3	2	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg.....	-	21	8	7 035	303 803	1 522	2 761	42 659	642 133	616 549	1 329 815	D
33451	Navigational, measuring, medical, & control instruments mfg.....	-	21	8	7 035	303 803	1 522	2 761	42 659	642 133	616 549	1 329 815	D
334511	Search, detection, navigation, & guidance instrument mfg.....	-	9	4	i	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	1	14	5	516	20 322	177	327	4 065	42 591	17 388	60 449	2 424
336	Transportation equipment mfg.....	-	27	9	3 639	158 881	1 983	4 138	68 460	663 853	357 274	1 019 377	28 327
3364	Aerospace product & parts mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
336411	Aircraft mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
336415	Guided missile & space vehicle propulsion unit & parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building.....	-	11	4	f	D	D	D	D	D	D	D	D
33661	Ship & boat building.....	-	11	4	f	D	D	D	D	D	D	D	D
336612	Boat building.....	-	8	4	f	D	D	D	D	D	D	D	D
	BROWARD COUNTY, FL												
31-33	Manufacturing....	2	1 967	371	37 134	1 115 367	24 291	45 582	551 428	3 288 934	2 506 538	5 788 324	162 827
311	Food mfg.....	6	89	16	1 278	26 431	858	1 406	13 363	82 466	78 086	160 471	4 881
3118	Bakeries & tortilla mfg.....	8	52	7	528	9 883	346	500	5 167	27 430	16 957	44 402	D
312	Beverage & tobacco product mfg.....	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
3121	Beverage mfg.....	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
31211	Soft drink & ice mfg.....	1	8	5	509	14 528	176	395	4 829	255 410	190 467	445 917	3 113
314	Textile product mills.....	3	65	6	625	13 322	511	918	8 570	23 423	19 597	42 901	1 051
315	Apparel mfg.....	4	79	8	771	12 595	659	974	8 618	34 018	21 276	54 184	966
3152	Cut & sew apparel mfg....	4	56	5	513	8 800	430	658	5 924	22 749	15 126	36 739	557
321	Wood product mfg.....	1	34	9	613	13 713	456	870	8 849	29 113	30 339	59 411	1 071
323	Printing & related support activities.....	3	311	33	3 332	104 540	2 272	4 164	60 453	219 073	126 926	345 962	24 917
3231	Printing & related support activities.....	3	311	33	3 332	104 540	2 272	4 164	60 453	219 073	126 926	345 962	24 917
32311	Printing.....	2	273	29	3 026	93 963	2 049	3 717	53 892	200 267	119 313	319 527	23 733
323110	Commercial lithographic printing..	1	117	18	1 890	64 260	1 289	2 395	37 436	140 373	81 692	221 270	20 090
325	Chemical mfg.....	6	55	13	827	29 060	514	1 027	14 580	104 738	84 392	194 137	6 075
326	Plastics & rubber products mfg.....	3	84	28	2 411	58 992	1 784	3 454	36 611	124 937	116 260	241 460	9 597
3261	Plastics product mfg.....	3	69	22	2 036	48 775	1 518	2 964	30 692	105 683	99 524	204 311	9 032
32619	Other plastics product mfg.....	2	51	20	1 648	36 270	1 210	2 163	22 621	75 950	54 458	129 344	6 093
326199	All other plastics product mfg.....	2	44	17	1 502	32 973	1 117	1 991	20 860	69 927	49 317	118 141	5 909

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BROWARD COUNTY, FL—Con.													
31-33 Manufacturing—Con.													
327	Nonmetallic mineral product mfg	2	81	30	1 762	50 301	1 325	2 770	32 474	116 082	136 786	252 748	11 016
3273	Cement & concrete product mfg	1	39	21	1 169	36 356	888	1 859	23 219	77 102	94 163	171 677	8 729
32739	Other concrete product mfg	3	17	9	649	17 782	479	908	10 429	29 559	28 504	57 772	1 702
327390	Other concrete product mfg	3	17	9	649	17 782	479	908	10 429	29 559	28 504	57 772	1 702
332	Fabricated metal product mfg	1	241	52	4 192	126 372	3 069	5 971	78 822	252 896	221 131	476 940	15 328
3323	Architectural & structural metals mfg	—	70	21	1 801	51 250	1 190	2 234	28 576	105 744	120 347	229 846	4 913
33232	Ornamental & architectural metal products mfg	1	51	16	1 361	36 994	922	1 681	21 247	74 038	66 892	143 568	3 744
332322	Sheet metal work mfg	1	25	10	865	24 584	610	1 129	15 128	49 687	36 906	86 455	2 769
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	86	14	1 076	32 549	851	1 669	22 087	56 597	33 355	89 069	4 726
33272	Turned product & screw, nut, & bolt mfg	—	14	6	583	18 044	470	964	12 461	30 494	21 063	51 088	2 868
333	Machinery mfg	2	116	35	3 288	110 181	2 343	4 789	56 205	257 789	188 708	443 154	15 078
3333	Commercial & service industry machinery mfg ..	1	23	8	893	30 627	590	1 176	10 874	93 376	51 409	141 111	6 887
33331	Commercial & service industry machinery mfg	1	23	8	893	30 627	590	1 176	10 874	93 376	51 409	141 111	6 887
3335	Metalworking machinery mfg	1	35	5	541	21 381	397	862	14 440	52 170	27 037	79 447	2 442
33351	Metalworking machinery mfg	1	35	5	541	21 381	397	862	14 440	52 170	27 037	79 447	2 442
3339	Other general-purpose machinery mfg	6	29	13	1 107	33 182	827	1 709	17 801	55 920	43 365	99 786	2 341
33399	All other general-purpose machinery mfg	5	16	8	856	23 667	677	1 404	13 176	32 717	23 649	56 576	1 410
334	Computer & electronic product mfg	—	116	46	8 218	308 797	3 533	6 526	86 937	1 201 079	808 956	2 011 274	40 332
3341	Computer & peripheral equipment mfg	2	11	7	1 122	51 042	215	481	5 559	122 902	74 241	186 943	6 505
33411	Computer & peripheral equipment mfg	2	11	7	1 122	51 042	215	481	5 559	122 902	74 241	186 943	6 505
334111	Electronic computer mfg	—	6	4	508	28 062	110	235	2 286	62 559	46 630	108 596	D
334112	Computer storage device mfg	9	3	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	—	25	10	h	D	D	D	D	D	D	D	14 358
33422	Radio & TV broadcasting & wireless communications equipment mfg	—	11	4	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	—	11	4	h	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	2	39	16	g	D	D	D	D	D	D	D	14 547
33441	Semiconductor & other electronic component mfg	2	39	16	g	D	D	D	D	D	D	D	14 547
334418	Printed circuit assembly (electronic assembly) mfg	1	6	6	1 627	23 676	532	690	10 620	28 350	45 059	79 418	9 364
3345	Navigational, measuring, medical, & control instruments mfg	—	30	10	1 284	53 393	611	1 123	16 234	142 556	93 191	246 966	3 855
33451	Navigational, measuring, medical, & control instruments mfg	—	30	10	1 284	53 393	611	1 123	16 234	142 556	93 191	246 966	3 855
334511	Search, detection, navigation, & guidance instrument mfg	—	8	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	37	12	1 255	36 646	737	1 328	14 548	88 375	61 149	148 076	3 304
3353	Electrical equipment mfg ..	1	10	5	533	17 531	360	665	8 071	41 775	29 222	69 837	1 299
33531	Electrical equipment mfg	1	10	5	533	17 531	360	665	8 071	41 775	29 222	69 837	1 299

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BROWARD COUNTY, FL—Con.													
31-33	Manufacturing—Con.												
336	Transportation equipment mfg	2	108	17	1 768	51 223	1 439	2 692	35 084	129 185	99 787	224 632	4 662
3363	Motor vehicle parts mfg . . .	3	29	5	599	13 741	493	819	8 431	28 182	29 279	57 079	2 622
3366	Ship & boat building	3	48	7	713	20 640	616	1 255	16 986	49 065	33 313	79 107	792
33661	Ship & boat building	3	48	7	713	20 640	616	1 255	16 986	49 065	33 313	79 107	792
336612	Boat building	2	31	6	529	13 825	460	913	10 886	34 741	26 314	57 784	475
337	Furniture & related product mfg	4	219	23	2 976	75 655	2 173	4 102	43 839	146 989	153 206	296 232	7 960
3371	Household & institutional furniture & kitchen cabinet mfg	3	164	9	1 099	28 463	747	1 310	14 868	57 044	70 307	126 054	3 289
33712	Household & institutional furniture mfg	2	100	7	789	22 509	502	937	10 547	45 897	62 131	106 699	2 867
3372	Office furniture (including fixtures) mfg	4	34	8	927	27 483	710	1 493	17 303	58 836	47 780	103 536	3 103
33721	Office furniture (including fixtures) mfg	4	34	8	927	27 483	710	1 493	17 303	58 836	47 780	103 536	3 103
3379	Other furniture related product mfg	6	21	6	950	19 709	716	1 299	11 668	31 109	35 119	66 642	1 568
33791	Mattress mfg	9	6	3	567	11 325	405	705	6 486	20 508	20 182	40 794	1 202
337910	Mattress mfg	9	6	3	567	11 325	405	705	6 486	20 508	20 182	40 794	1 202
339	Miscellaneous mfg	4	253	29	2 594	62 471	1 876	3 129	34 164	161 686	111 247	271 863	7 412
3391	Medical equipment & supplies mfg	3	115	9	1 049	24 689	779	1 161	13 797	67 046	30 827	98 368	4 890
33911	Medical equipment & supplies mfg	3	115	9	1 049	24 689	779	1 161	13 797	67 046	30 827	98 368	4 890
3399	Other miscellaneous mfg . . .	4	138	20	1 545	37 782	1 097	1 968	20 367	94 640	80 420	173 495	2 522
33991	Jewelry & silverware mfg	7	41	8	500	11 730	357	650	6 910	35 604	28 145	63 840	654
CHARLOTTE COUNTY, FL													
31-33	Manufacturing	2	74	6	587	13 833	362	683	7 383	38 960	38 674	77 742	1 839
CITRUS COUNTY, FL													
31-33	Manufacturing	-	58	10	1 025	18 246	856	1 656	13 292	43 844	50 523	92 422	2 422
CLAY COUNTY, FL													
31-33	Manufacturing	2	74	16	1 579	43 726	1 062	1 819	21 341	120 934	127 005	247 249	9 538
COLLIER COUNTY, FL													
31-33	Manufacturing	3	205	26	2 305	62 433	1 732	3 342	39 697	141 720	117 715	258 993	12 343
327	Nonmetallic mineral product mfg	1	20	5	588	19 487	467	1 156	13 356	43 582	43 790	87 176	5 594
COLUMBIA COUNTY, FL													
31-33	Manufacturing	1	35	10	1 798	46 277	1 454	3 123	30 775	106 607	139 210	244 547	4 094
321	Wood product mfg	-	4	3	743	17 903	682	1 432	13 772	43 936	88 204	131 293	557
3219	Other wood product mfg . . .	-	2	2	f	D	D	D	D	D	D	D	D
32199	All other wood product mfg	-	1	1	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg . .	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	3	1	f	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	-	1	1	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	-	1	1	f	D	D	D	D	D	D	D	D
336411	Aircraft mfg	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
DADE COUNTY, FL													
31-33	Manufacturing	2	3 031	663	66 391	1 663 790	48 587	91 171	954 491	4 855 969	3 664 012	8 523 906	228 238
311	Food mfg	1	306	40	4 519	122 843	2 753	4 859	58 291	457 415	474 344	929 913	23 114
3115	Dairy product mfg	—	18	6	679	21 070	354	837	10 715	114 279	198 554	312 767	4 169
31151	Dairy product (except frozen) mfg	—	12	5	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	6	5	581	19 194	282	713	9 449	108 650	185 277	293 690	D
3118	Bakeries & tortilla mfg	2	211	18	2 506	70 139	1 395	2 093	30 269	194 392	109 180	303 772	11 547
31181	Bread & bakery product mfg	1	197	17	2 329	66 339	1 263	1 923	28 404	187 115	99 074	286 247	10 354
311811	Retail bakeries	6	128	5	578	7 501	382	418	3 668	16 550	10 205	26 804	1 148
311812	Commercial bakeries	1	64	11	1 716	58 327	868	1 480	24 367	169 272	87 633	256 947	9 143
312	Beverage & tobacco product mfg	3	28	9	g	D	D	D	D	D	D	D	7 202
3121	Beverage mfg	2	14	5	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	2	10	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	2	5	5	758	23 291	283	729	7 553	129 039	145 251	274 111	D
313	Textile mills	3	66	23	1 890	46 740	1 617	3 215	32 258	118 532	144 650	264 280	8 609
3132	Fabric mills	2	35	12	1 079	23 848	931	1 805	17 401	60 554	75 774	136 265	3 998
31324	Knit fabric mills	1	14	5	f	D	D	D	D	D	D	D	2 244
3133	Textile & fabric finishing & fabric coating mills	5	29	9	f	D	D	D	D	D	D	D	D
31331	Textile & fabric finishing mills	5	27	8	697	19 671	600	1 263	13 526	44 879	44 070	90 110	3 006
314	Textile product mills	1	126	30	2 942	45 072	2 499	3 962	29 766	96 304	89 881	185 297	3 750
3141	Textile furnishings mills	3	45	6	728	9 834	583	862	6 565	21 053	25 156	46 825	613
31412	Curtain & linen mills	3	45	6	728	9 834	583	862	6 565	21 053	25 156	46 825	613
3149	Other textile product mills	1	81	24	2 214	35 238	1 916	3 100	23 201	75 251	64 725	138 472	3 137
31491	Textile bag & canvas mills	1	29	8	772	11 794	669	1 172	8 000	24 222	20 926	44 914	1 258
314911	Textile bag mills	—	6	3	553	7 897	505	933	5 777	17 594	12 945	30 292	D
31499	All other textile product mills	1	52	16	1 442	23 444	1 247	1 928	15 201	51 029	43 799	93 558	1 879
314999	All other miscellaneous textile product mills	1	49	16	1 416	22 948	1 227	1 883	14 872	50 028	42 543	91 300	1 801
315	Apparel mfg	2	414	144	10 602	165 391	9 074	15 374	120 937	398 851	382 669	770 347	10 221
3151	Apparel knitting mills	3	12	7	705	13 377	651	1 234	11 046	23 210	16 766	39 176	D
31519	Other apparel knitting mills	3	9	6	f	D	D	D	D	D	D	D	1 576
315191	Outerwear knitting mills	3	9	6	f	D	D	D	D	D	D	D	1 576
3152	Cut & sew apparel mfg	2	350	129	9 337	141 379	7 962	13 383	103 146	343 970	349 228	683 006	7 899
31521	Cut & sew apparel contractors	3	196	72	4 532	56 286	4 185	6 802	47 545	119 792	48 841	165 847	4 133
315212	Women's, girls', & infants' cut & sew apparel contractors	3	179	63	4 055	50 651	3 738	6 090	42 805	109 468	46 671	153 562	D
31522	Men's & boys' cut & sew apparel mfg	3	34	13	837	15 503	624	1 178	11 501	43 085	64 589	105 677	955
31523	Women's & girls' cut & sew apparel mfg	1	108	39	3 521	64 026	2 775	4 797	39 835	171 685	228 037	393 994	2 498
315232	Women's & girls' cut & sew blouse & shirt mfg	—	27	11	1 255	25 289	951	1 667	13 548	67 566	93 590	157 427	803
315233	Women's & girls' cut & sew dress mfg	1	30	9	820	13 863	649	1 192	9 374	34 620	47 734	79 744	586
315239	Women's & girls' cut & sew other outerwear mfg	2	30	11	872	14 096	701	1 135	10 033	36 306	33 586	69 835	818
3159	Apparel accessories & other apparel mfg	3	52	8	560	10 635	461	757	6 745	31 671	16 675	48 165	D
31599	Apparel accessories & other apparel mfg	3	52	8	560	10 635	461	757	6 745	31 671	16 675	48 165	D
316	Leather & allied product mfg	—	32	13	2 632	43 269	2 281	4 733	30 007	122 150	90 373	210 072	2 534
3162	Footwear mfg	—	11	5	g	D	D	D	D	D	D	D	D
31621	Footwear mfg	—	11	5	g	D	D	D	D	D	D	D	D
316211	Rubber & plastics footwear mfg	—	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	—	20	8	g	D	D	D	D	D	D	D	1 605
31699	Other leather & allied product mfg	—	20	8	g	D	D	D	D	D	D	D	1 605
316992	Women's handbag & purse mfg	—	7	3	1 111	17 999	941	1 774	12 843	59 131	37 182	96 674	D
321	Wood product mfg	4	45	15	f	D	D	D	D	D	D	D	D
322	Paper mfg	3	37	15	1 295	34 937	1 006	1 881	22 912	91 307	109 593	197 899	11 670
3222	Converted paper product mfg	1	36	14	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	16	10	834	22 575	642	1 237	14 199	57 201	68 721	123 140	6 637
322211	Corrugated & solid fiber box mfg	1	10	6	604	17 338	446	861	10 355	47 537	61 760	106 660	6 450

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	DADE COUNTY, FL—Con.												
31-33	Manufacturing—Con.												
323	Printing & related support activities.....	3	441	61	5 847	150 852	4 358	7 562	95 153	294 568	214 454	507 718	21 776
3231	Printing & related support activities.....	3	441	61	5 847	150 852	4 358	7 562	95 153	294 568	214 454	507 718	21 776
32311	Printing.....	3	396	58	5 475	139 939	4 061	7 072	87 526	272 718	208 958	480 328	20 778
323110	Commercial lithographic printing ..	3	179	32	2 672	80 212	1 862	3 786	50 313	146 549	111 733	258 725	10 898
323113	Commercial screen printing.....	2	46	11	1 490	25 596	1 234	1 629	15 201	50 937	44 552	95 115	3 980
325	Chemical mfg.....	1	90	26	2 303	90 603	1 229	2 314	46 882	347 698	241 569	604 557	24 662
3254	Pharmaceutical & medicine mfg.....	1	16	10	1 443	68 662	744	1 435	36 467	280 201	172 832	465 925	21 123
32541	Pharmaceutical & medicine mfg.....	1	16	10	1 443	68 662	744	1 435	36 467	280 201	172 832	465 925	21 123
325412	Pharmaceutical preparation mfg.....	1	10	7	676	27 977	323	592	9 633	153 461	114 009	269 494	D
325413	In-vitro diagnostic substance mfg.....	—	3	3	756	40 264	414	830	26 588	125 615	57 789	194 276	14 336
326	Plastics & rubber products mfg.....	3	105	36	2 743	64 594	2 147	4 160	41 463	192 591	147 900	341 933	10 475
3261	Plastics product mfg.....	2	85	32	2 444	58 033	1 906	3 706	36 847	177 450	133 567	312 267	9 491
32619	Other plastics product mfg.....	1	59	20	1 530	35 919	1 145	2 304	21 588	115 823	67 268	184 443	5 223
326199	All other plastics product mfg.....	2	56	18	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	1	104	34	2 257	68 404	1 642	3 698	47 452	173 408	165 760	343 602	12 373
3273	Cement & concrete product mfg.....	1	57	25	1 831	58 939	1 332	3 109	41 390	150 136	148 365	302 206	10 553
32732	Ready-mix concrete mfg.....	1	28	14	633	17 814	492	1 038	13 180	41 362	67 327	109 606	3 517
327320	Ready-mix concrete mfg.....	1	28	14	633	17 814	492	1 038	13 180	41 362	67 327	109 606	3 517
32739	Other concrete product mfg.....	2	19	5	608	16 760	408	991	9 711	33 071	26 831	60 265	1 741
327390	Other concrete product mfg.....	2	19	5	608	16 760	408	991	9 711	33 071	26 831	60 265	1 741
332	Fabricated metal product mfg.....	1	254	62	6 023	147 646	4 613	9 150	95 039	332 999	239 689	574 418	13 113
3323	Architectural & structural metals mfg.....	1	95	29	2 898	67 188	2 047	4 025	39 406	169 167	142 563	313 098	3 944
33232	Ornamental & architectural metal products mfg.....	1	83	22	2 623	60 203	1 849	3 645	35 815	143 897	111 690	256 760	3 320
332321	Metal window & door mfg.....	—	35	14	1 785	39 747	1 261	2 608	23 590	101 098	79 730	182 136	1 250
332322	Sheet metal work mfg.....	2	23	5	503	13 646	357	600	8 289	29 412	22 970	51 987	1 416
3325	Hardware mfg.....	—	5	2	f	D	D	D	D	D	D	D	413
33251	Hardware mfg.....	—	5	2	f	D	D	D	D	D	D	D	413
332510	Hardware mfg.....	—	5	2	f	D	D	D	D	D	D	D	413
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	2	75	12	1 021	27 827	801	1 425	18 667	53 592	20 882	74 454	4 414
33271	Machine shops.....	2	66	10	853	22 726	661	1 135	14 959	43 756	15 635	59 257	3 701
332710	Machine shops.....	2	66	10	853	22 726	661	1 135	14 959	43 756	15 635	59 257	3 701
3329	Other fabricated metal product mfg.....	1	23	5	672	14 230	571	1 225	11 037	30 949	19 320	50 675	1 154
33299	All other fabricated metal product mfg.....	1	16	5	647	13 762	550	1 201	10 723	29 874	18 445	48 720	1 084
332999	All other miscellaneous fabricated metal product mfg.....	—	10	3	595	12 646	502	1 130	10 016	26 665	16 881	43 870	989
333	Machinery mfg.....	3	131	24	1 897	50 487	1 365	2 505	30 739	97 132	116 782	213 789	5 584
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	5	23	12	696	16 234	505	813	9 242	35 629	36 941	73 157	1 448
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	5	23	12	696	16 234	505	813	9 242	35 629	36 941	73 157	1 448
333415	AC & warm air heating & commercial/ industrial refrig equip mfg.....	6	18	10	615	14 205	465	749	8 497	30 722	34 234	65 495	D
334	Computer & electronic product mfg.....	—	81	17	5 042	195 496	2 794	6 205	86 866	354 155	372 944	738 189	23 804

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
DADE COUNTY, FL—Con.													
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3345	Navigational, measuring, medical, & control instruments mfg	—	28	10	4 502	181 432	2 448	5 540	80 005	321 388	331 261	663 734	21 517
33451	Navigational, measuring, medical, & control instruments mfg	—	28	10	4 502	181 432	2 448	5 540	80 005	321 388	331 261	663 734	21 517
334510	Electromedical & electrotherapeutic apparatus mfg	—	4	2	f	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument mfg	—	4	2	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	3	46	13	1 214	25 563	970	1 901	14 976	64 040	49 128	113 478	2 555
3351	Electric lighting equipment mfg	2	29	10	900	17 375	750	1 586	10 550	44 816	24 561	69 229	1 759
33512	Lighting fixture mfg	2	28	10	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ...	1	19	9	822	15 198	689	1 490	9 315	36 786	19 302	55 923	1 672
336	Transportation equipment mfg	2	104	22	2 827	79 539	2 057	3 977	51 205	160 897	243 045	401 745	11 890
3364	Aerospace product & parts mfg	1	31	12	1 434	46 120	917	1 722	27 750	100 921	161 864	258 771	9 765
33641	Aerospace product & parts mfg	1	31	12	1 434	46 120	917	1 722	27 750	100 921	161 864	258 771	9 765
336411	Aircraft mfg	2	9	5	648	16 269	384	755	10 034	33 202	24 021	58 536	D
3366	Ship & boat building	5	35	7	914	24 224	762	1 492	17 383	48 314	63 921	113 386	1 552
33661	Ship & boat building	5	35	7	914	24 224	762	1 492	17 383	48 314	63 921	113 386	1 552
336612	Boat building	6	28	5	759	19 497	631	1 283	14 474	40 690	58 125	99 966	1 462
337	Furniture & related product mfg	2	311	45	4 325	90 204	3 280	5 995	58 561	175 616	156 845	331 920	8 305
3371	Household & institutional furniture & kitchen cabinet mfg	3	229	24	2 173	45 861	1 765	3 064	31 248	79 234	73 028	152 586	3 309
33711	Wood kitchen cabinet & counter top mfg	5	85	9	779	17 273	595	992	10 410	29 026	20 633	49 795	1 042
337110	Wood kitchen cabinet & counter top mfg ...	5	85	9	779	17 273	595	992	10 410	29 026	20 633	49 795	1 042
33712	Household & institutional furniture mfg	2	144	15	1 394	28 588	1 170	2 072	20 838	50 208	52 395	102 791	2 267
3372	Office furniture (including fixtures) mfg	2	43	11	1 566	33 835	1 102	2 133	20 882	60 428	46 744	106 026	2 982
33721	Office furniture (including fixtures) mfg	2	43	11	1 566	33 835	1 102	2 133	20 882	60 428	46 744	106 026	2 982
337212	Custom architectural woodwork & millwork mfg	—	8	4	620	11 875	347	663	6 535	23 469	13 616	36 107	1 203
337215	Showcase, partition, shelving, & locker mfg	2	19	6	742	17 331	604	1 198	11 768	30 198	27 524	57 538	1 603
3379	Other furniture related product mfg	2	39	10	586	10 508	413	798	6 431	35 954	37 073	73 308	2 014
339	Miscellaneous mfg	1	293	26	5 639	180 765	3 299	6 526	57 307	1 131 159	168 212	1 290 831	22 167
3391	Medical equipment & supplies mfg	—	130	14	4 515	155 801	2 481	5 245	43 400	1 075 330	122 315	1 188 046	20 095
33911	Medical equipment & supplies mfg	—	130	14	4 515	155 801	2 481	5 245	43 400	1 075 330	122 315	1 188 046	20 095
339112	Surgical & medical instrument mfg	—	13	5	h	D	D	D	D	D	D	D	15 328
339115	Ophthalmic goods mfg	9	11	3	535	10 265	351	493	5 642	25 482	13 941	39 524	3 751
3399	Other miscellaneous mfg ..	5	163	12	1 124	24 964	818	1 281	13 907	55 829	45 897	102 785	2 072
DUVAL COUNTY, FL													
31-33	Manufacturing	—	754	235	28 237	944 142	19 977	40 496	559 736	3 893 928	3 361 688	7 230 951	254 578
311	Food mfg	—	38	15	h	D	D	D	D	D	D	D	D
3116	Meat product mfg	3	6	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	3	6	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	—	18	4	945	27 310	327	766	9 067	74 081	33 148	107 155	D
31181	Bread & bakery product mfg	—	17	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	—	7	4	898	26 719	292	727	8 735	72 529	32 453	104 905	D
3119	Other food mfg	—	6	3	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DUVAL COUNTY, FL— Con. Manufacturing— Con.												
312	Beverage & tobacco product mfg	-	9	8	h	D	D	D	D	D	D	D	D
3121	Beverage mfg	-	8	7	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	-	5	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	-	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries	-	2	1	g	D	D	D	D	D	D	D	D
312120	Breweries	-	2	1	g	D	D	D	D	D	D	D	D
3122	Tobacco mfg	-	1	1	f	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	-	1	1	f	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg	-	26	9		619	17 703	467	1 008	10 235	52 502	123 808	175 796
322	Paper mfg	-	24	18	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
32213	Paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	22	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	-	11	9	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg	-	3	3		525	16 210	433	921	11 929	29 977	39 993	70 506
322232	Envelope mfg	-	3	3		525	16 210	433	921	11 929	29 977	39 993	70 506
323	Printing & related support activities	2	131	31		1 714	48 032	1 200	2 279	27 749	115 852	71 678	187 078
3231	Printing & related support activities	2	131	31		1 714	48 032	1 200	2 279	27 749	115 852	71 678	187 078
32311	Printing	2	114	26	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	50	15		798	26 163	527	1 084	14 336	53 125	28 889	81 892
325	Chemical mfg	2	35	12		1 284	50 291	867	1 847	27 965	347 431	328 177	675 178
326	Plastics & rubber products mfg	-	32	12	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	1	25	10	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	42	15	g	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	-	3	2	g	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	-	3	2	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	-	2	1	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	-	28	10	f	D	D	D	D	D	D	D	D
3274	Lime & gypsum product mfg	-	2	2	f	D	D	D	D	D	D	D	D
32742	Gypsum product mfg	-	2	2	f	D	D	D	D	D	D	D	D
327420	Gypsum product mfg	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	9	8	g	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	6	6		698	23 161	555	1 366	16 797	47 697	100 743	151 734
33122	Rolling & drawing of purchased steel	-	6	6		698	23 161	555	1 366	16 797	47 697	100 743	151 734
331222	Steel wire drawing	-	6	6		698	23 161	555	1 366	16 797	47 697	100 743	151 734
332	Fabricated metal product mfg	-	110	37		3 659	99 761	2 719	5 391	62 986	227 412	309 376	527 893
3323	Architectural & structural metals mfg	-	48	22		2 324	55 806	1 697	3 353	33 039	132 736	135 617	268 280
33231	Plate work & fabricated structural product mfg	-	18	8	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	-	30	14	g	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	-	6	3		754	17 482	468	1 040	8 595	46 997	31 063	77 727
332322	Sheet metal work mfg	-	14	9	f	D	D	D	D	D	D	D	D
333	Machinery mfg	2	50	19		1 411	46 401	911	1 833	24 452	107 210	76 839	186 352
336	Transportation equipment mfg	2	34	11	g	D	D	D	D	D	D	D	D
3366	Ship & boat building	2	14	6	g	D	D	D	D	D	D	D	D
33661	Ship & boat building	2	14	6	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing	2	11	6	g	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DUVAL COUNTY, FL— Con. Manufacturing— Con.												
337	Furniture & related product mfg	-	58	10	1 161	31 009	914	1 665	18 583	73 809	59 163	131 005	D
3371	Household & institutional furniture & kitchen cabinet mfg	1	40	5	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	88	15	h	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	-	45	8	h	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	45	8	h	D	D	D	D	D	D	D	D
339115	Ophthalmic goods mfg	-	2	1	g	D	D	D	D	D	D	D	D
	ESCAMBIA COUNTY, FL												
31-33	Manufacturing	-	236	48	7 526	294 599	5 502	11 209	199 174	977 623	1 296 103	2 214 099	D
322	Paper mfg	-	4	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	g	D	D	D	D	D	D	D	D
325	Chemical mfg	-	14	7	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	-	4	4	g	D	D	D	D	D	D	D	D
32522	Artificial & synthetic fibers & filaments mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
325222	Noncellulosic organic fiber mfg	-	1	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	19	5	672	28 827	509	1 060	20 249	71 095	55 697	126 776	D
332	Fabricated metal product mfg	-	36	7	f	D	D	D	D	D	D	D	4 295
333	Machinery mfg	1	10	5	f	D	D	D	D	D	D	D	D
	FLAGLER COUNTY, FL												
31-33	Manufacturing	1	42	13	1 560	45 915	1 248	2 471	28 588	109 679	151 984	260 660	5 963
	GADSDEN COUNTY, FL												
31-33	Manufacturing	2	32	10	1 399	32 262	1 144	2 228	20 850	78 810	109 793	187 753	4 352
	GULF COUNTY, FL												
31-33	Manufacturing	1	12	7	f	D	D	D	D	D	D	D	10 036
	HAMILTON COUNTY, FL												
31-33	Manufacturing	-	4	2	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	1	1	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	-	1	1	f	D	D	D	D	D	D	D	D
32531	Fertilizer mfg	-	1	1	f	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg	-	1	1	f	D	D	D	D	D	D	D	D
	HENDRY COUNTY, FL												
31-33	Manufacturing	-	22	5	724	26 759	512	1 301	18 085	141 943	303 700	437 726	D
311	Food mfg	-	5	3	587	24 409	396	1 138	16 303	137 422	297 590	426 747	D
	HERNANDO COUNTY, FL												
31-33	Manufacturing	1	72	13	1 192	29 427	861	1 447	15 744	150 615	87 618	235 243	13 889
	HIGHLANDS COUNTY, FL												
31-33	Manufacturing	-	54	10	1 199	27 009	953	1 685	19 028	71 422	120 112	191 620	22 760

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HILLSBOROUGH COUNTY, FL													
31-33	Manufacturing	1	960	268	30 861	859 345	21 533	43 661	497 612	2 707 195	3 305 061	6 019 756	216 524
311	Food mfg	—	61	21	3 226	75 928	2 339	5 079	44 668	354 744	431 289	779 749	14 863
3116	Meat product mfg	—	9	4	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	—	9	4	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	—	4	2	f	D	D	D	D	D	D	D	D
3117	Seafood product preparation & packaging	—	7	2	f	D	D	D	D	D	D	D	2 482
31171	Seafood product preparation & packaging	—	7	2	f	D	D	D	D	D	D	D	2 482
311712	Fresh & frozen seafood processing	—	7	2	f	D	D	D	D	D	D	D	2 482
3118	Bakeries & tortilla mfg	—	24	4	769	19 190	442	959	9 708	43 147	38 170	80 959	4 109
312	Beverage & tobacco product mfg	2	16	8	g	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	10	4	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	—	7	3	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	—	2	2	f	D	D	D	D	D	D	D	D
3122	Tobacco mfg	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
31222	Tobacco product mfg	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
312229	Other tobacco product mfg	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
315	Apparel mfg	—	20	7	g	D	D	D	D	D	D	D	4 860
3152	Cut & sew apparel mfg	—	14	7	g	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	—	7	3	g	D	D	D	D	D	D	D	D
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	—	1	1	f	D	D	D	D	D	D	D	D
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	—	2	2	f	D	D	D	D	D	D	D	D
321	Wood product mfg	—	32	18	2 017	45 099	1 664	3 482	31 114	111 195	154 555	265 349	3 910
3219	Other wood product mfg	—	26	14	1 669	38 043	1 369	2 894	25 964	91 151	109 418	200 174	2 608
32199	All other wood product mfg	—	10	6	961	22 891	794	1 710	15 542	57 293	71 551	128 585	1 115
321991	Manufactured home (mobile home) mfg	—	4	4	f	D	D	D	D	D	D	D	1 028
322	Paper mfg	1	20	9	827	27 004	644	1 330	18 053	89 021	153 638	240 819	D
3222	Converted paper product mfg	1	20	9	827	27 004	644	1 330	18 053	89 021	153 638	240 819	D
32221	Paperboard container mfg	1	11	6	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	1	166	23	2 334	63 747	1 739	3 207	41 301	150 107	119 353	270 157	18 381
3231	Printing & related support activities	1	166	23	2 334	63 747	1 739	3 207	41 301	150 107	119 353	270 157	18 381
32311	Printing	1	151	20	g	D	D	D	D	D	D	D	17 279
323110	Commercial lithographic printing	1	66	11	1 273	35 854	974	1 907	23 875	72 283	75 421	147 771	14 339
325	Chemical mfg	—	50	14	2 368	102 418	1 556	3 429	58 186	425 672	682 720	1 116 719	71 493
3253	Pesticide, fertilizer, & other agricultural chemical mfg	—	8	5	g	D	D	D	D	D	D	D	D
32531	Fertilizer mfg	—	8	5	g	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg	—	3	3	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	—	3	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	—	3	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	—	3	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	4	49	21	1 368	34 156	1 050	2 038	20 182	84 362	100 587	182 959	8 703
3261	Plastics product mfg	4	37	17	1 195	29 719	912	1 743	16 961	73 271	90 875	162 160	8 061
32619	Other plastics product mfg	4	21	10	685	15 261	467	829	7 619	41 514	35 259	75 996	2 587
326199	All other plastics product mfg	4	21	10	685	15 261	467	829	7 619	41 514	35 259	75 996	2 587
327	Nonmetallic mineral product mfg	—	52	17	1 685	46 143	1 201	2 566	30 246	186 055	163 866	353 124	10 283
3273	Cement & concrete product mfg	—	32	11	1 248	30 923	880	1 791	20 074	120 001	115 663	238 228	7 212
32739	Other concrete product mfg	1	6	4	628	16 869	379	878	9 768	71 672	33 822	108 549	4 781
327390	Other concrete product mfg	1	6	4	628	16 869	379	878	9 768	71 672	33 822	108 549	4 781
331	Primary metal mfg	—	13	6	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HILLSBOROUGH COUNTY, FL—Con.													
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg	-	129	41	3 169	95 957	2 227	4 446	58 151	233 921	285 079	522 345	9 966
3323	Architectural & structural metals mfg	-	47	21	1 199	31 653	785	1 515	16 889	86 646	89 618	177 030	2 721
33232	Ornamental & architectural metal products mfg	1	33	16	f	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	1	11	5	507	11 191	304	581	5 575	21 315	26 625	47 984	785
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	31	6	550	13 417	363	717	7 895	28 386	20 563	47 964	1 711
333	Machinery mfg	1	49	11	1 215	38 835	440	831	13 164	71 092	86 003	157 570	4 662
3333	Commercial & service industry machinery mfg ..	1	11	5	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	1	11	5	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	1	9	4	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	1	40	15	3 027	85 877	1 903	3 723	46 329	156 676	252 208	412 584	D
3342	Communications equipment mfg	1	11	4	1 266	42 843	725	1 453	25 942	65 170	97 386	165 718	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	5	2	g	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	5	2	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	2	15	7	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	2	15	7	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg	-	6	3	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg	3	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	14	9	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	37	11	g	D	D	D	D	D	D	D	D
3366	Ship & boat building	2	15	5	828	25 423	685	1 476	17 776	48 176	34 066	83 868	859
33661	Ship & boat building	2	15	5	828	25 423	685	1 476	17 776	48 176	34 066	83 868	859
337	Furniture & related product mfg	3	70	17	1 207	25 803	924	1 749	15 040	56 814	50 964	107 788	3 003
339	Miscellaneous mfg	2	107	12	925	20 274	633	1 117	11 730	52 059	32 487	84 722	D
INDIAN RIVER COUNTY, FL													
31-33	Manufacturing	6	116	18	1 825	55 420	1 177	2 258	29 725	103 731	123 299	219 777	9 096
JACKSON COUNTY, FL													
31-33	Manufacturing	-	26	9	1 344	27 348	1 172	2 394	22 034	61 321	116 123	182 084	5 750
333	Machinery mfg	-	2	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
333312	Commercial laundry, drycleaning, & pressing machine mfg	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
LAKE COUNTY, FL													
31-33	Manufacturing	1	164	42	3 730	90 185	2 783	5 473	57 182	234 559	339 507	578 468	17 882
311	Food mfg.....	-	10	5	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	-	26	7	733	20 298	587	1 301	14 433	41 019	55 126	97 321	3 485
3273	Cement & concrete product mfg.....	-	18	4	570	15 450	476	1 094	11 260	29 053	41 577	71 215	2 473
332	Fabricated metal product mfg.....	-	20	5	624	14 837	497	983	10 551	29 069	33 471	61 881	1 961
3323	Architectural & structural metals mfg.....	-	8	4	f	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg..	-	7	4	f	D	D	D	D	D	D	D	D
LEE COUNTY, FL													
31-33	Manufacturing	3	357	64	5 363	141 129	3 904	7 347	85 578	388 859	350 373	741 763	22 213
311	Food mfg.....	5	10	4	534	11 764	459	970	9 365	84 273	89 540	173 431	5 366
327	Nonmetallic mineral product mfg.....	1	27	9	537	16 245	442	1 071	12 456	44 895	35 514	80 726	2 882
3273	Cement & concrete product mfg.....	1	19	9	510	15 675	419	1 037	12 046	43 355	34 278	77 934	2 733
332	Fabricated metal product mfg.....	1	40	7	740	24 146	489	862	11 034	44 968	36 575	81 817	2 208
333	Machinery mfg.....	5	18	6	583	16 618	418	883	9 894	50 445	31 985	80 916	2 704
339	Miscellaneous mfg.....	3	63	4	666	16 192	467	717	12 331	44 783	28 348	74 143	2 242
LEON COUNTY, FL													
31-33	Manufacturing	-	127	22	2 676	68 044	1 842	3 577	36 380	253 016	295 220	557 648	8 731
323	Printing & related support activities.....	1	41	7	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	1	41	7	f	D	D	D	D	D	D	D	D
32311	Printing.....	1	38	7	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	-	8	4	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	5	4	563	12 165	478	926	8 945	58 986	46 088	105 412	1 041
MADISON COUNTY, FL													
31-33	Manufacturing	-	11	5	1 114	25 775	907	1 885	17 781	73 390	197 965	270 313	D
311	Food mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3116	Meat product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing.....	-	2	2	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses.....	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MANATEE COUNTY, FL												
31-33	Manufacturing	1	284	71	11 156	348 352	7 477	13 398	188 747	685 720	1 445 861	2 115 692	122 144
311	Food mfg	-	8	4	h	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	1	1	g	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	1	1	g	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	-	1	1	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	1	17	8	1 057	33 912	818	1 690	25 285	113 894	106 457	216 977	6 711
3272	Glass & glass product mfg	-	3	2	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	46	9	781	19 162	618	1 174	13 389	39 692	37 175	76 846	3 117
333	Machinery mfg	3	33	9	797	26 689	577	1 132	15 084	50 930	33 973	84 592	1 820
334	Computer & electronic product mfg	-	11	7	1 453	49 788	680	1 524	18 679	109 913	67 397	176 338	5 388
3344	Semiconductor & other electronic component mfg	-	5	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	5	2	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	-	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	27	11	1 518	34 385	1 022	1 840	16 516	66 076	113 110	170 429	4 578
3366	Ship & boat building	-	13	4	1 087	24 757	692	1 209	10 438	48 920	76 371	116 542	3 379
33661	Ship & boat building	-	13	4	1 087	24 757	692	1 209	10 438	48 920	76 371	116 542	3 379
336612	Boat building	-	11	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	34	6	839	23 617	578	1 141	12 520	92 839	19 291	107 083	6 549
3391	Medical equipment & supplies mfg	-	18	4	f	D	D	D	D	D	D	D	6 213
33911	Medical equipment & supplies mfg	-	18	4	f	D	D	D	D	D	D	D	6 213
	MARION COUNTY, FL												
31-33	Manufacturing	1	215	69	9 620	237 983	6 841	12 558	146 429	640 449	649 795	1 287 800	37 510
321	Wood product mfg	-	16	13	1 219	30 176	929	1 801	20 923	64 125	101 873	166 372	2 648
3219	Other wood product mfg	-	12	10	1 079	26 221	818	1 548	18 232	56 754	84 633	140 856	D
32199	All other wood product mfg	-	7	6	767	19 795	548	1 032	13 338	46 934	68 774	115 366	D
321991	Manufactured home (mobile home) mfg	-	6	6	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	14	5	771	21 595	586	1 081	15 553	54 356	52 761	104 809	13 709
332	Fabricated metal product mfg	-	31	10	1 549	29 523	1 206	1 893	20 343	81 106	81 719	165 772	3 439
3326	Spring & wire product mfg	-	3	2	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg	-	3	2	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	14	6	697	21 595	446	844	10 195	52 059	35 505	87 808	2 553
334	Computer & electronic product mfg	6	9	4	711	14 127	186	382	4 211	36 152	18 703	55 040	D
3342	Communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	5	2	587	9 591	115	204	3 082	22 063	16 446	39 083	1 511
336	Transportation equipment mfg	-	23	8	2 788	76 097	2 025	3 963	45 774	195 380	209 857	402 551	8 706
3362	Motor vehicle body & trailer mfg	-	10	4	2 523	69 637	1 793	3 618	41 867	161 438	194 573	353 791	D
33621	Motor vehicle body & trailer mfg	-	10	4	2 523	69 637	1 793	3 618	41 867	161 438	194 573	353 791	D
336211	Motor vehicle body mfg	-	2	1	g	D	D	D	D	D	D	D	D
336213	Motor home mfg	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MARTIN COUNTY, FL													
31-33	Manufacturing	2	172	26	3 274	101 739	2 188	4 715	69 150	295 642	273 687	555 176	18 415
336	Transportation equipment mfg	-	18	8	1 535	56 664	902	2 294	41 451	180 078	117 543	283 933	8 546
3364	Aerospace product & parts mfg	-	3	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	-	3	3	g	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
NASSAU COUNTY, FL													
31-33	Manufacturing	-	34	8	1 790	77 283	1 437	3 067	58 444	298 488	323 369	630 602	32 901
322	Paper mfg	-	4	4	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	2	2	g	D	D	D	D	D	D	D	D
32213	Paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
OKALOOSA COUNTY, FL													
31-33	Manufacturing	1	133	27	3 448	81 516	2 301	4 073	42 146	167 705	131 976	296 471	11 746
315	Apparel mfg	-	7	4	f	D	D	D	D	D	D	D	242
3152	Cut & sew apparel mfg	-	7	4	f	D	D	D	D	D	D	D	242
334	Computer & electronic product mfg	-	11	7	1 116	30 914	523	1 013	11 038	60 538	32 576	94 448	1 501
3345	Navigational, measuring, medical, & control instruments mfg	-	6	3	825	24 247	434	840	9 844	46 183	27 230	73 941	1 129
33451	Navigational, measuring, medical, & control instruments mfg	-	6	3	825	24 247	434	840	9 844	46 183	27 230	73 941	1 129
334511	Search, detection, navigation, & guidance instrument mfg	-	3	3	786	22 715	418	809	9 378	43 698	25 959	70 123	1 063
ORANGE COUNTY, FL													
31-33	Manufacturing	1	889	241	32 437	1 213 359	18 156	36 453	468 197	3 402 691	2 292 534	5 786 572	427 331
311	Food mfg	-	47	14	2 566	79 983	1 510	3 304	37 281	293 411	301 925	585 616	D
3118	Bakeries & tortilla mfg	1	32	9	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	1	32	9	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	1	14	7	g	D	D	D	D	D	D	D	D
3119	Other food mfg	-	5	3	f	D	D	D	D	D	D	D	D
31191	Snack food mfg	-	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food mfg .	-	2	2	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	-	5	3	f	D	D	D	D	D	D	D	D
3121	Beverage mfg	-	5	3	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	-	4	3	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	-	4	3	f	D	D	D	D	D	D	D	D
321	Wood product mfg	1	26	5	514	11 795	421	931	8 373	21 594	29 588	50 919	847
323	Printing & related support activities	3	190	45	3 156	97 092	2 330	4 404	63 505	271 139	150 157	419 011	14 932
3231	Printing & related support activities	3	190	45	3 156	97 092	2 330	4 404	63 505	271 139	150 157	419 011	14 932
32311	Printing	3	172	36	2 754	83 542	2 016	3 789	53 800	243 914	144 058	385 814	12 518
323110	Commercial lithographic printing ..	5	80	16	1 553	51 787	1 145	2 171	33 882	111 622	91 988	201 807	6 538
325	Chemical mfg	1	34	10	f	D	D	D	D	D	D	D	8 670
326	Plastics & rubber products mfg	2	39	20	1 990	51 195	1 570	2 794	33 426	175 823	163 430	339 482	D
3261	Plastics product mfg	3	35	17	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	3	23	9	1 268	31 119	978	1 643	18 461	96 162	63 344	159 861	D
326199	All other plastics product mfg	4	21	8	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	60	21	1 455	42 075	1 106	2 711	28 314	130 167	142 579	271 354	11 112
3273	Cement & concrete product mfg	-	40	18	1 243	37 665	935	2 370	25 200	116 980	134 145	249 889	9 165
32732	Ready-mix concrete mfg .	-	16	7	696	21 283	532	1 521	15 657	72 907	99 706	171 701	5 815
327320	Ready-mix concrete mfg	-	16	7	696	21 283	532	1 521	15 657	72 907	99 706	171 701	5 815

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ORANGE COUNTY, FL —Con.												
31-33	Manufacturing— Con.												
332	Fabricated metal product mfg	1	107	28	2 243	68 627	1 624	3 238	41 651	171 216	215 384	385 515	6 416
3323	Architectural & structural metals mfg	2	43	11	g	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	—	31	9	775	21 061	550	1 152	13 070	66 329	55 656	122 328	D
333	Machinery mfg	—	51	17	4 226	192 358	1 342	2 915	43 278	176 846	195 378	418 824	D
3333	Commercial & service industry machinery mfg ..	—	10	6	h	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	10	6	h	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	—	5	3	h	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	—	18	7	693	27 990	371	925	11 527	97 495	113 677	211 088	D
334	Computer & electronic product mfg	—	49	20	i	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	—	14	10	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	—	14	10	g	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg ...	—	4	3	g	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	—	5	3	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	—	19	7	i	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	—	19	7	i	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	—	5	2	i	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	18	9	646	17 725	320	587	6 776	41 938	36 711	80 849	3 339
336	Transportation equipment mfg	1	37	16	2 786	67 799	2 195	4 542	46 245	185 570	175 724	354 477	8 377
3362	Motor vehicle body & trailer mfg	6	7	3	560	11 484	407	801	7 832	42 472	20 375	62 892	D
33621	Motor vehicle body & trailer mfg	6	7	3	560	11 484	407	801	7 832	42 472	20 375	62 892	D
336211	Motor vehicle body mfg	7	4	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	1	15	7	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg	—	5	2	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg	—	5	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	6	4	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	—	6	4	f	D	D	D	D	D	D	D	D
336612	Boat building	—	6	4	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	1	49	8	697	15 201	552	1 035	10 968	50 986	47 373	98 291	D
339	Miscellaneous mfg	3	115	13	1 093	23 783	788	1 429	14 951	49 817	32 234	84 057	2 494
3399	Other miscellaneous mfg ..	3	70	9	720	15 707	525	954	10 315	29 425	23 039	54 515	1 353
	OSCEOLA COUNTY, FL												
31-33	Manufacturing	5	77	19	1 295	37 107	998	1 955	25 021	190 704	189 717	379 892	14 201

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PALM BEACH COUNTY, FL												
31-33	Manufacturing	-	1 051	184	26 262	1 138 101	13 889	27 413	372 936	4 116 069	2 346 628	6 344 506	160 016
311	Food mfg.....	1	76	20	2 942	96 579	1 724	4 413	59 267	453 195	443 007	861 812	33 428
3113	Sugar & confectionery product mfg.....	-	13	8	g	D	D	D	D	D	D	D	D
31131	Sugar mfg.....	-	7	7	g	D	D	D	D	D	D	D	D
311311	Sugarcane mills.....	-	6	6	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	1	44	7	608	14 075	402	737	8 819	71 166	26 868	98 061	1 648
31181	Bread & bakery product mfg.....	1	41	7	604	14 011	398	734	8 774	70 782	26 578	97 386	1 630
321	Wood product mfg.....	5	28	8	504	12 306	378	748	7 610	29 551	27 381	56 886	1 212
323	Printing & related support activities.....	3	147	14	1 163	30 327	761	1 321	17 345	67 896	35 249	102 883	3 264
3231	Printing & related support activities.....	3	147	14	1 163	30 327	761	1 321	17 345	67 896	35 249	102 883	3 264
32311	Printing.....	3	135	13	1 069	27 218	687	1 157	15 375	57 954	34 005	91 654	2 701
323110	Commercial lithographic printing..	3	59	5	545	14 173	328	585	8 074	30 521	17 747	48 145	1 518
325	Chemical mfg.....	4	35	10	851	19 336	510	736	10 655	70 117	67 382	137 638	10 597
326	Plastics & rubber products mfg.....	2	34	11	883	18 476	734	1 094	12 412	48 139	31 710	80 276	2 205
3261	Plastics product mfg.....	2	28	9	708	15 023	581	772	10 117	41 316	25 333	67 089	D
32619	Other plastics product mfg.....	2	18	8	640	12 568	540	699	9 059	36 637	20 389	57 446	1 692
326199	All other plastics product mfg.....	2	17	8	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	1	67	19	1 130	33 811	783	1 656	22 007	88 602	102 236	187 710	5 164
3273	Cement & concrete product mfg.....	-	38	15	830	25 079	604	1 313	17 499	65 570	67 313	133 373	3 612
332	Fabricated metal product mfg.....	2	135	21	1 508	47 318	1 095	2 032	28 674	107 551	71 847	178 742	5 402
3323	Architectural & structural metals mfg.....	1	50	10	724	23 468	530	1 108	14 331	54 385	45 621	99 305	2 365
33232	Ornamental & architectural metal products mfg.....	1	39	8	607	19 316	442	910	11 705	40 683	30 561	70 623	1 081
333	Machinery mfg.....	2	45	12	861	31 387	537	1 097	15 377	70 960	51 159	118 639	3 638
334	Computer & electronic product mfg.....	-	76	28	6 963	377 645	3 227	6 198	86 376	1 065 706	938 994	2 017 049	57 048
3342	Communications equipment mfg.....	-	16	6	4 576	302 937	1 800	3 603	54 617	899 131	721 173	1 629 125	41 315
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	8	4	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	8	4	h	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg.....	-	7	2	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg.....	-	7	2	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	1	25	13	1 824	50 855	1 115	1 968	21 690	114 969	181 099	296 776	D
33441	Semiconductor & other electronic component mfg.....	1	25	13	1 824	50 855	1 115	1 968	21 690	114 969	181 099	296 776	D
334418	Printed circuit assembly (electronic assembly) mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	35	7	i	D	D	D	D	D	D	D	25 269
3364	Aerospace product & parts mfg.....	-	8	5	i	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	-	8	5	i	D	D	D	D	D	D	D	D
336411	Aircraft mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg.....	-	2	1	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	3	126	8	904	23 063	690	1 387	14 477	52 370	45 430	98 258	2 432
3371	Household & institutional furniture & kitchen cabinet mfg.....	6	102	5	546	12 704	457	874	9 362	24 353	19 000	43 478	1 228

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	PALM BEACH COUNTY, FL—Con.												
	Manufacturing—Con.												
339	Miscellaneous mfg.....	6	151	9	950	27 371	676	1 175	14 768	63 602	41 832	105 194	3 216
3391	Medical equipment & supplies mfg.....	4	81	4	518	16 044	361	634	8 225	35 237	18 203	53 843	1 261
33911	Medical equipment & supplies mfg.....	4	81	4	518	16 044	361	634	8 225	35 237	18 203	53 843	1 261
	PASCO COUNTY, FL												
31-33	Manufacturing	1	213	39	4 091	100 695	2 851	5 578	57 496	264 426	456 009	713 261	16 130
311	Food mfg.....	—	10	3	g	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg.....	—	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food mfg.....	—	1	1	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg.....	—	1	1	g	D	D	D	D	D	D	D	D
333	Machinery mfg.....	—	20	7	603	16 679	308	676	8 654	48 234	13 596	57 592	2 053
	PINELLAS COUNTY, FL												
31-33	Manufacturing	1	1 335	322	40 954	1 256 778	25 346	49 719	575 272	3 195 120	2 629 566	5 732 823	270 128
311	Food mfg.....	—	39	7	f	D	D	D	D	D	D	D	11 040
315	Apparel mfg.....	1	22	6	g	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg....	1	18	6	g	D	D	D	D	D	D	D	2 845
31523	Women's & girls' cut & sew apparel mfg.....	3	7	2	f	D	D	D	D	D	D	D	D
316	Leather & allied product mfg.	3	7	4	f	D	D	D	D	D	D	D	D
321	Wood product mfg.....	—	26	6	595	12 856	471	877	9 116	35 526	50 404	86 360	943
3219	Other wood product mfg...	—	25	6	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	3	181	25	2 332	66 696	1 660	3 178	40 164	146 003	142 339	289 942	14 217
3231	Printing & related support activities.....	3	181	25	2 332	66 696	1 660	3 178	40 164	146 003	142 339	289 942	14 217
32311	Printing.....	3	165	22	2 195	63 348	1 559	3 014	38 026	140 396	141 197	283 157	D
323110	Commercial lithographic printing..	6	66	13	1 036	31 290	791	1 651	21 023	72 491	66 610	139 117	8 932
325	Chemical mfg.....	2	46	15	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	—	7	5	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	—	7	5	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	—	5	5	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	1	68	22	1 941	49 697	1 554	3 091	34 416	127 601	89 889	219 522	10 915
3261	Plastics product mfg.....	2	62	20	g	D	D	D	D	D	D	D	9 965
32619	Other plastics product mfg.....	1	44	17	1 438	35 451	1 126	2 183	23 345	85 188	64 664	150 951	8 811
326199	All other plastics product mfg.....	1	41	16	1 373	33 832	1 071	2 065	22 154	80 755	61 024	142 863	8 632
332	Fabricated metal product mfg.....	1	226	46	4 615	121 660	3 219	6 426	71 246	275 726	181 085	450 981	12 896
3323	Architectural & structural metals mfg.....	1	50	15	1 625	37 161	1 038	2 102	18 909	90 570	60 780	152 361	3 467
33232	Ornamental & architectural metal products mfg.....	1	36	12	1 437	31 776	925	1 889	16 744	80 297	46 404	127 744	2 419
332322	Sheet metal work mfg.	1	18	8	892	21 090	629	1 284	11 802	57 383	30 862	88 309	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	2	104	10	892	26 501	727	1 301	18 469	49 897	27 814	77 406	4 127
33271	Machine shops.....	2	92	6	750	22 377	609	1 058	15 576	42 040	21 635	63 194	3 497
332710	Machine shops.....	2	92	6	750	22 377	609	1 058	15 576	42 040	21 635	63 194	3 497
3329	Other fabricated metal product mfg.....	—	15	6	1 085	32 917	707	1 542	19 769	81 249	43 497	119 132	2 710
33291	Metal valve mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg.....	—	3	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	—	10	4	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PINELLAS COUNTY, FL—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg	1	132	40	3 277	112 571	2 005	3 968	53 846	334 557	210 457	533 594	31 962
3333	Commercial & service industry machinery mfg ..	—	15	7	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	15	7	f	D	D	D	D	D	D	D	D
333314	Optical instrument & lens mfg	—	5	2	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	1	46	11	852	30 009	615	1 237	19 124	55 289	18 969	72 952	3 449
33351	Metalworking machinery mfg	1	46	11	852	30 009	615	1 237	19 124	55 289	18 969	72 952	3 449
3339	Other general-purpose machinery mfg	1	39	13	1 056	39 737	584	1 206	17 092	79 980	64 888	143 323	3 141
33399	All other general-purpose machinery mfg	1	25	12	944	36 639	512	1 085	15 414	72 201	60 292	131 076	D
333993	Packaging machinery mfg	—	9	8	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	1	105	45	11 920	447 609	5 229	10 596	135 006	1 000 195	831 500	1 762 701	105 680
3341	Computer & peripheral equipment mfg	9	10	4	f	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg	9	10	4	f	D	D	D	D	D	D	D	D
334111	Electronic computer mfg	9	3	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	8	10	3	g	D	D	D	D	D	D	D	11 990
33421	Telephone apparatus mfg	9	4	1	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	9	4	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	—	35	21	3 507	82 842	2 153	4 130	41 666	320 775	381 217	692 930	64 002
33441	Semiconductor & other electronic component mfg	—	35	21	3 507	82 842	2 153	4 130	41 666	320 775	381 217	692 930	64 002
334418	Printed circuit assembly (electronic assembly) mfg	—	3	3	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	—	43	16	6 014	256 474	1 778	3 612	49 906	568 100	273 968	842 883	23 278
33451	Navigational, measuring, medical, & control instruments mfg	—	43	16	6 014	256 474	1 778	3 612	49 906	568 100	273 968	842 883	23 278
334510	Electromedical & electrotherapeutic apparatus mfg	—	5	3	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	—	10	8	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	29	14	1 790	52 301	1 172	2 207	24 299	126 002	86 658	214 064	7 408
3353	Electrical equipment mfg ..	—	13	6	952	28 762	642	1 161	13 373	68 608	47 674	117 044	D
33531	Electrical equipment mfg	—	13	6	952	28 762	642	1 161	13 373	68 608	47 674	117 044	D
335311	Power, distribution, & specialty transformer mfg	—	4	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	2	14	8	f	D	D	D	D	D	D	D	D
33593	Wiring device mfg	2	11	6	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	2	10	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	63	17	1 864	48 362	1 492	2 969	29 095	105 761	100 485	204 010	D
3363	Motor vehicle parts mfg ...	—	20	5	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	3	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	—	3	2	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	95	13	1 263	27 583	878	1 561	16 604	56 348	56 481	109 778	5 631
3371	Household & institutional furniture & kitchen cabinet mfg	5	73	7	675	13 871	515	878	9 262	23 294	22 594	45 768	897

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PINELLAS COUNTY, FL —Con.												
31-33	Manufacturing— Con.												
339	Miscellaneous mfg.....	1	191	43	5 708	181 685	3 743	7 187	79 229	415 103	283 424	698 464	36 990
3391	Medical equipment & supplies mfg.....	1	100	24	3 622	122 515	2 328	4 446	46 666	225 074	173 040	399 251	24 255
33911	Medical equipment & supplies mfg.....	1	100	24	3 622	122 515	2 328	4 446	46 666	225 074	173 040	399 251	24 255
339112	Surgical & medical instrument mfg.....	1	17	5	1 175	50 127	682	1 082	15 411	80 591	76 139	159 508	9 072
339113	Surgical appliance & supplies mfg.....	—	22	9	768	28 936	324	611	6 303	81 541	47 280	128 972	3 070
339115	Ophthalmic goods mfg.....	—	6	3	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg..	1	91	19	2 086	59 170	1 415	2 741	32 563	190 029	110 384	299 213	12 735
33994	Office supplies (except paper) mfg.....	—	8	2	f	D	D	D	D	D	D	D	D
339941	Pen & mechanical pencil mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
33995	Sign mfg.....	2	36	10	918	24 695	617	1 164	12 298	54 014	43 884	96 858	2 577
339950	Sign mfg.....	2	36	10	918	24 695	617	1 164	12 298	54 014	43 884	96 858	2 577
	POLK COUNTY, FL												
31-33	Manufacturing	1	480	186	20 627	633 493	15 251	31 605	382 152	2 587 357	3 444 036	5 999 926	190 651
311	Food mfg.....	1	34	25	5 136	150 278	3 775	7 845	88 947	791 191	874 904	1 662 342	56 915
3114	Fruit & vegetable preserving & specialty food mfg.....	1	13	13	3 063	93 376	2 319	4 970	55 095	573 780	598 046	1 173 531	D
31141	Frozen food mfg.....	—	8	8	1 174	39 526	937	2 235	26 671	209 047	283 774	504 551	18 952
311411	Frozen fruit, juice, & vegetable mfg.....	—	8	8	1 174	39 526	937	2 235	26 671	209 047	283 774	504 551	18 952
31142	Fruit & vegetable canning, pickling, & drying.....	1	5	5	1 889	53 850	1 382	2 735	28 424	364 733	314 272	668 980	D
311421	Fruit & vegetable canning.....	1	5	5	1 889	53 850	1 382	2 735	28 424	364 733	314 272	668 980	D
3116	Meat product mfg.....	9	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing.....	9	2	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses.....	9	1	1	f	D	D	D	D	D	D	D	D
3117	Seafood product preparation & packaging..	—	2	1	f	D	D	D	D	D	D	D	D
31171	Seafood product preparation & packaging.....	—	2	1	f	D	D	D	D	D	D	D	D
311712	Fresh & frozen seafood processing..	—	2	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries..	—	2	2	f	D	D	D	D	D	D	D	D
321	Wood product mfg.....	—	26	17	1 747	42 438	1 480	2 874	28 277	86 153	168 137	251 789	3 144
3219	Other wood product mfg...	—	16	8	1 219	31 242	1 057	1 994	21 538	56 279	96 550	152 100	D
32199	All other wood product mfg.....	—	8	3	738	21 151	653	1 187	13 613	40 025	45 983	86 478	318
321991	Manufactured home (mobile home) mfg..	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper mfg.....	—	9	6	568	20 410	425	1 035	12 707	44 177	96 830	141 270	1 638
3222	Converted paper product mfg.....	—	9	6	568	20 410	425	1 035	12 707	44 177	96 830	141 270	1 638
32221	Paperboard container mfg.....	—	6	6	549	19 437	413	1 009	12 386	42 826	95 344	138 390	1 483
322211	Corrugated & solid fiber box mfg.....	—	5	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	1	55	9	636	14 112	463	805	9 000	36 604	36 268	72 935	3 620
3231	Printing & related support activities.....	1	55	9	636	14 112	463	805	9 000	36 604	36 268	72 935	3 620
32311	Printing.....	1	51	8	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	—	44	28	3 483	146 251	2 503	5 474	92 775	1 013 199	1 619 873	2 610 630	71 854
3253	Pesticide, fertilizer, & other agricultural chemical mfg..	—	20	15	h	D	D	D	D	D	D	D	60 701
32531	Fertilizer mfg.....	—	19	14	h	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg.....	—	8	8	2 269	97 490	1 793	3 939	69 304	746 761	1 211 090	1 937 995	54 268
326	Plastics & rubber products mfg.....	—	42	20	1 047	23 710	851	1 467	16 196	73 644	77 847	151 748	6 955
3261	Plastics product mfg.....	—	37	18	992	22 054	805	1 356	14 900	68 992	73 680	142 902	6 867

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
POLK COUNTY, FL—Con.													
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg	-	35	9	1 266	43 069	901	2 019	26 040	91 595	85 449	177 831	12 109
3273	Cement & concrete product mfg	-	23	5	537	16 393	360	858	8 828	38 878	41 012	77 039	2 563
332	Fabricated metal product mfg	2	71	23	1 519	41 091	1 063	2 037	22 642	87 197	97 929	184 304	4 757
3323	Architectural & structural metals mfg	1	24	12	685	19 808	436	848	9 911	43 327	57 177	99 261	1 042
333	Machinery mfg	-	39	13	1 183	42 571	764	1 564	17 504	106 514	85 517	192 384	9 792
334	Computer & electronic product mfg	4	10	5	731	20 201	527	1 440	12 360	37 643	81 282	116 140	2 626
336	Transportation equipment mfg	2	19	8	1 247	36 861	931	2 180	21 736	79 151	86 967	166 053	7 427
3363	Motor vehicle parts mfg ...	3	6	4	998	30 438	759	1 840	18 498	63 648	66 448	130 399	D
33639	Other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	3	39	9	629	13 232	455	818	8 073	32 121	24 021	55 842	2 577
PUTNAM COUNTY, FL													
31-33	Manufacturing	-	48	16	2 556	88 922	2 100	4 134	67 057	283 468	465 760	730 150	35 102
322	Paper mfg	-	3	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	-	5	2	f	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg	-	5	2	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg	-	2	2	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg	-	2	2	f	D	D	D	D	D	D	D	D
ST. JOHNS COUNTY, FL													
31-33	Manufacturing	1	88	12	2 277	53 829	1 731	3 352	33 842	163 746	140 632	299 639	20 124
331	Primary metal mfg	-	1	1	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing ..	-	1	1	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	-	1	1	f	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	-	1	1	f	D	D	D	D	D	D	D	D
ST. LUCIE COUNTY, FL													
31-33	Manufacturing	-	124	34	2 230	60 091	1 722	3 107	39 720	228 394	314 489	542 661	43 072
311	Food mfg	-	11	7	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	6	5	f	D	D	D	D	D	D	D	D
SANTA ROSA COUNTY, FL													
31-33	Manufacturing	2	59	14	1 895	41 582	1 585	2 818	30 300	229 191	202 322	427 651	D
315	Apparel mfg	-	2	2	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	2	2	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	-	1	1	f	D	D	D	D	D	D	D	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SARASOTA COUNTY, FL													
31-33	Manufacturing	2	379	67	7 809	222 858	5 461	10 479	112 636	473 794	392 575	872 574	37 697
323	Printing & related support activities.....	5	56	5	502	11 487	381	577	7 461	24 155	14 881	39 004	1 415
3231	Printing & related support activities.....	5	56	5	502	11 487	381	577	7 461	24 155	14 881	39 004	1 415
326	Plastics & rubber products mfg.....	-	17	6	1 205	35 240	884	1 628	15 581	76 233	52 346	128 087	3 324
3261	Plastics product mfg.....	-	16	6	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	-	10	5	g	D	D	D	D	D	D	D	2 992
326199	All other plastics product mfg.....	-	9	5	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	58	16	1 649	50 609	1 267	2 791	29 674	115 461	73 980	188 226	9 601
3329	Other fabricated metal product mfg.....	-	11	4	f	D	D	D	D	D	D	D	D
33291	Metal valve mfg.....	-	5	3	f	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg.....	-	3	3	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	1	22	8	1 440	41 574	860	1 590	13 839	90 174	53 156	142 071	6 878
3344	Semiconductor & other electronic component mfg.....	-	5	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	-	5	3	f	D	D	D	D	D	D	D	D
334415	Electronic resistor mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	-	38	4	544	13 789	432	783	8 653	31 124	19 004	49 749	567
SEMINOLE COUNTY, FL													
31-33	Manufacturing	1	434	88	9 624	287 067	5 931	10 799	120 778	851 846	765 076	1 582 234	67 859
323	Printing & related support activities.....	4	73	7	602	13 996	401	681	8 646	29 372	19 142	48 493	1 624
3231	Printing & related support activities.....	4	73	7	602	13 996	401	681	8 646	29 372	19 142	48 493	1 624
32311	Printing.....	4	70	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	1	55	9	911	24 219	607	1 257	12 763	60 898	47 856	107 781	2 951
333	Machinery mfg.....	1	31	11	899	24 379	683	1 425	17 423	53 755	32 465	83 355	D
334	Computer & electronic product mfg.....	-	33	15	h	D	D	D	D	D	D	D	D
3342	Communications equipment mfg.....	-	5	3	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg.....	-	11	6	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg.....	-	11	6	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	1	16	7	922	20 322	660	1 214	11 225	38 283	45 914	81 016	D
3363	Motor vehicle parts mfg . . .	4	9	4	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	1	43	7	722	14 817	578	1 052	9 826	55 607	48 654	105 707	2 974
SUMTER COUNTY, FL													
31-33	Manufacturing	-	30	9	907	19 596	725	1 356	13 938	51 806	151 046	200 904	2 419
SUWANNEE COUNTY, FL													
31-33	Manufacturing	-	19	2	h	D	D	D	D	D	D	D	D
311	Food mfg.....	-	3	2	h	D	D	D	D	D	D	D	D
3116	Meat product mfg.....	-	2	2	h	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing.....	-	2	2	h	D	D	D	D	D	D	D	D
311615	Poultry processing.....	-	1	1	h	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
TAYLOR COUNTY, FL													
31-33	Manufacturing	-	20	11	1 594	57 992	1 243	2 491	40 791	270 828	226 664	496 113	33 724
322	Paper mfg	-	1	1	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32211	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
322110	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
VOLUSIA COUNTY, FL													
31-33	Manufacturing	1	392	79	10 216	263 191	7 297	13 106	156 441	683 157	546 111	1 212 569	47 344
323	Printing & related support activities	1	60	8	879	19 789	673	1 033	13 370	51 889	32 567	83 847	D
3231	Printing & related support activities	1	60	8	879	19 789	673	1 033	13 370	51 889	32 567	83 847	D
32311	Printing	1	54	7	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	1	27	6	f	D	D	D	D	D	D	D	D
325	Chemical mfg	2	8	4	f	D	D	D	D	D	D	D	3 376
326	Plastics & rubber products mfg	4	25	6	583	12 402	419	805	8 179	26 674	24 680	51 138	4 702
3261	Plastics product mfg	4	21	6	550	11 778	389	749	7 617	24 180	23 168	47 128	4 652
332	Fabricated metal product mfg	-	49	8	g	D	D	D	D	D	D	D	4 772
3329	Other fabricated metal product mfg	-	7	4	696	23 909	496	1 064	15 548	46 909	52 435	95 751	2 632
33299	All other fabricated metal product mfg	-	6	4	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	-	5	3	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	26	5	658	20 198	399	727	9 714	47 245	35 425	84 240	D
3339	Other general-purpose machinery mfg	-	10	5	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	20	8	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	12	7	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	12	7	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg	-	4	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	8	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	28	9	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	2	13	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	2	50	6	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	1	20	3	1 088	32 439	833	1 530	22 344	83 513	24 109	110 220	8 902
33911	Medical equipment & supplies mfg	1	20	3	1 088	32 439	833	1 530	22 344	83 513	24 109	110 220	8 902
339112	Surgical & medical instrument mfg	-	3	3	g	D	D	D	D	D	D	D	8 734
WALTON COUNTY, FL													
31-33	Manufacturing	1	35	6	937	12 500	601	821	7 019	47 445	54 752	108 710	1 114
311	Food mfg	-	3	1	f	D	D	D	D	D	D	D	D
3116	Meat product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	-	1	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D
WASHINGTON COUNTY, FL													
31-33	Manufacturing	-	14	2	754	15 726	668	1 316	13 085	40 313	47 138	85 761	D
314	Textile product mills	-	1	1	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills	-	1	1	f	D	D	D	D	D	D	D	D
31412	Curtain & linen mills	-	1	1	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	-	1	1	f	D	D	D	D	D	D	D	D

Table 3. Industry Statistics for Counties: 1997—Con.

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 4. Industry Statistics for Places: 1997

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ALACHUA, FL												
	Manufacturing	-	12	4	f	D	D	D	D	D	D	D	1 055
	APOPKA, FL												
31-33	Manufacturing	-	28	4	808	35 494	525	1 044	19 908	72 884	52 293	123 741	D
	AUBURNDALE, FL												
31-33	Manufacturing	2	17	9	1 815	48 658	1 488	2 575	31 861	230 036	188 772	428 724	12 786
311	Food mfg	3	3	3	f	D	D	D	D	D	D	D	8 707
3116	Meat product mfg	9	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	9	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	9	1	1	f	D	D	D	D	D	D	D	D
	BARTOW, FL												
31-33	Manufacturing	-	29	16	1 840	43 175	1 557	3 425	30 646	105 749	186 541	291 604	7 448
321	Wood product mfg	-	4	4	750	17 266	654	1 287	13 476	44 625	75 758	118 164	1 127
3219	Other wood product mfg ...	-	2	2	f	D	D	D	D	D	D	D	D
	BOCA RATON, FL												
31-33	Manufacturing	2	175	33	4 828	211 208	2 644	4 647	56 564	300 389	322 035	638 983	30 661
334	Computer & electronic product mfg	-	28	11	h	D	D	D	D	D	D	D	23 477
3342	Communications equipment mfg	-	8	4	g	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	3	1	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	3	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	5	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	5	3	f	D	D	D	D	D	D	D	D
	BOYNTON BEACH, FL												
31-33	Manufacturing	-	65	13	h	D	D	D	D	D	D	D	25 183
334	Computer & electronic product mfg	-	5	2	h	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	2	1	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	h	D	D	D	D	D	D	D	D
	BRADENTON, FL												
31-33	Manufacturing	-	34	8	h	D	D	D	D	D	D	D	D
311	Food mfg	-	2	2	h	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	1	1	g	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	1	1	g	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	-	1	1	g	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
31-33	BROOKSVILLE, FL												
	Manufacturing	-	33	7	627	16 180	468	880	9 102	109 122	61 598	167 918	6 302
31-33	CAPE CORAL, FL												
	Manufacturing	3	77	6	549	12 926	427	792	8 863	24 819	21 267	46 492	1 230
31-33	CASSELBERRY, FL												
	Manufacturing	4	37	9	552	14 402	340	633	6 580	28 184	22 205	50 518	1 925
31-33	CHIPLEY, FL												
	Manufacturing	-	8	2	f	D	D	D	D	D	D	D	D
314	Textile product mills.....	-	1	1	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills....	-	1	1	f	D	D	D	D	D	D	D	D
31412	Curtain & linen mills.....	-	1	1	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	-	1	1	f	D	D	D	D	D	D	D	D
31-33	CLEARWATER, FL												
	Manufacturing	2	182	33	3 191	84 774	1 888	3 422	39 108	198 000	144 850	342 886	12 935
334	Computer & electronic product mfg.....	4	18	6	615	23 234	284	539	5 886	42 281	35 737	77 498	4 413
31-33	CLEWISTON, FL												
	Manufacturing	-	12	3	f	D	D	D	D	D	D	D	D
31-33	CORAL SPRINGS, FL												
	Manufacturing	2	82	11	1 186	34 458	838	1 529	17 592	70 588	71 347	139 754	3 547
335	Electrical equipment, appliance, & component mfg	-	5	3	513	17 305	330	590	6 814	37 183	29 914	65 594	830
31-33	CRYSTAL RIVER, FL												
	Manufacturing	-	12	3	559	10 716	480	1 053	8 316	22 846	36 785	59 403	1 421
31-33	DADE CITY, FL												
	Manufacturing	-	8	3	g	D	D	D	D	D	D	D	D
311	Food mfg.....	-	2	1	g	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
31-33	DANIA, FL												
	Manufacturing	6	58	8	976	23 770	792	1 595	16 861	54 064	47 053	100 274	2 745
31-33	DAVIE, FL												
	Manufacturing	2	111	17	1 447	38 993	1 077	2 018	23 993	85 217	71 583	156 093	5 672
31-33	DAYTONA BEACH, FL												
	Manufacturing	2	63	15	1 931	44 387	1 338	2 266	25 491	102 946	94 369	200 392	8 941
31-33	DEERFIELD BEACH, FL												
	Manufacturing	2	100	30	2 511	78 350	1 706	3 424	42 544	174 195	161 764	333 859	10 426
337	Furniture & related product mfg.....	2	11	3	555	19 033	292	594	7 263	39 918	55 231	93 562	2 175
31-33	DE LAND, FL												
	Manufacturing	1	44	11	1 409	37 394	1 048	1 791	22 507	92 053	73 599	162 006	6 174
31-33	DELRAY BEACH, FL												
	Manufacturing	2	67	6	613	18 245	439	755	11 204	44 625	39 346	84 350	2 691

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	EDGEWATER, FL												
	Manufacturing	-	32	7	f	D	D	D	D	D	D	D	3 582
31-33	FERNANDINA BEACH, FL												
	Manufacturing	-	15	3	g	D	D	D	D	D	D	D	D
322	Paper mfg	-	3	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	2	2	g	D	D	D	D	D	D	D	D
32213	Paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
31-33	FORT LAUDERDALE, FL												
	Manufacturing	3	352	74	7 546	247 151	4 526	8 635	107 974	543 417	450 046	1 001 719	29 001
332	Fabricated metal product mfg	3	62	15	908	27 279	663	1 312	17 374	58 263	46 457	104 702	2 683
333	Machinery mfg	2	20	8	721	26 472	514	1 081	13 351	58 225	59 273	117 761	2 930
334	Computer & electronic product mfg	1	22	9	1 947	86 118	619	1 133	15 555	202 813	139 006	343 374	7 739
3341	Computer & peripheral equipment mfg	3	5	3	902	41 338	167	385	4 263	97 645	56 982	144 083	D
33411	Computer & peripheral equipment mfg	3	5	3	902	41 338	167	385	4 263	97 645	56 982	144 083	D
3345	Navigational, measuring, medical, & control instruments mfg	-	6	1	f	D	D	D	D	D	D	D	106
33451	Navigational, measuring, medical, & control instruments mfg	-	6	1	f	D	D	D	D	D	D	D	106
334511	Search, detection, navigation, & guidance instrument mfg	-	3	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	7	26	6	835	19 474	614	1 120	12 136	32 547	31 536	64 258	1 935
3379	Other furniture related product mfg	9	5	3	f	D	D	D	D	D	D	D	D
33791	Mattress mfg	9	5	3	f	D	D	D	D	D	D	D	D
337910	Mattress mfg	9	5	3	f	D	D	D	D	D	D	D	D
31-33	FORT MYERS, FL												
	Manufacturing	3	95	21	1 743	47 937	1 267	2 540	29 481	179 260	119 069	296 676	9 150
31-33	FORT WALTON BEACH, FL												
	Manufacturing	-	46	15	1 917	54 050	1 151	2 427	25 872	113 486	75 281	186 854	D
334	Computer & electronic product mfg	-	9	6	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	3	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	3	3	786	22 715	418	809	9 378	43 698	25 959	70 123	1 063
31-33	GAINESVILLE, FL												
	Manufacturing	3	85	22	1 688	57 695	1 170	2 216	33 769	162 917	251 887	414 318	21 328
31-33	GREEN COVE SPRINGS, FL												
	Manufacturing	2	18	7	908	25 149	650	1 089	12 987	71 715	84 867	157 114	5 518
31-33	HALLANDALE, FL												
	Manufacturing	4	55	12	733	18 732	557	1 064	11 340	43 814	33 490	78 300	1 673

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HIALEAH, FL													
31-33	Manufacturing	2	690	192	18 397	425 402	13 798	25 002	253 161	939 116	880 867	1 822 262	56 190
313	Textile mills	1	30	11	856	22 493	729	1 511	15 259	58 075	86 905	145 905	3 411
3132	Fabric mills	-	19	6	579	14 844	496	1 013	11 062	36 121	55 145	91 072	1 448
314	Textile product mills	2	33	11	914	14 869	817	1 157	9 985	24 767	31 387	56 099	1 008
3149	Other textile product mills ..	2	20	9	653	11 964	577	876	7 742	16 417	24 213	40 533	D
31499	All other textile product mills	2	15	8	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills ..	2	14	8	532	10 081	469	725	6 643	13 790	21 548	35 302	865
315	Apparel mfg	3	138	62	4 224	57 616	3 632	5 901	42 521	123 630	96 853	220 201	2 879
3152	Cut & sew apparel mfg	3	120	58	3 950	53 349	3 399	5 538	39 663	115 517	91 077	205 939	2 575
31521	Cut & sew apparel contractors	2	81	39	2 189	25 542	2 009	3 097	21 388	61 948	33 681	93 492	1 454
315212	Women's, girls', & infants' cut & sew apparel contractors ..	2	75	36	2 036	23 871	1 860	2 888	19 935	58 803	33 349	90 230	D
31523	Women's & girls' cut & sew apparel mfg	2	31	16	1 484	23 726	1 156	2 024	14 783	44 853	51 831	97 793	883
315232	Women's & girls' cut & sew blouse & shirt mfg	1	13	6	573	9 607	432	804	5 635	12 721	12 025	24 371	268
316	Leather & allied product mfg .	-	13	7	738	11 966	667	1 112	6 820	27 770	28 251	56 805	170
3162	Footwear mfg	-	5	3	f	D	D	D	D	D	D	D	D
31621	Footwear mfg	-	5	3	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	63	14	1 181	34 766	861	1 668	21 479	65 433	46 493	112 513	5 342
3231	Printing & related support activities	2	63	14	1 181	34 766	861	1 668	21 479	65 433	46 493	112 513	5 342
32311	Printing	2	56	13	1 131	33 389	822	1 590	20 485	62 555	46 055	109 197	5 172
323110	Commercial lithographic printing ..	1	28	6	579	17 776	421	864	11 321	31 296	21 659	53 632	2 361
332	Fabricated metal product mfg	2	70	12	1 275	29 726	889	1 753	18 046	67 239	49 055	116 466	2 203
3323	Architectural & structural metals mfg	2	24	8	758	16 429	526	1 077	9 842	36 053	30 592	66 494	1 310
33232	Ornamental & architectural metal products mfg	2	21	7	f	D	D	D	D	D	D	D	D
333	Machinery mfg	4	34	9	882	22 350	662	1 180	13 764	38 056	49 186	88 291	2 123
334	Computer & electronic product mfg	-	10	8	3 155	114 239	1 786	3 908	56 864	258 207	249 258	507 926	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	4	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	4	h	D	D	D	D	D	D	D	D
334516	Analytical laboratory instrument mfg	-	1	1	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	14	5	709	13 094	586	1 305	8 134	34 771	15 417	49 950	D
3351	Electric lighting equipment mfg	1	12	5	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	1	12	5	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ...	1	9	5	f	D	D	D	D	D	D	D	1 569
337	Furniture & related product mfg	2	101	19	1 430	32 811	1 065	2 023	20 166	60 310	52 122	111 556	2 844
3371	Household & institutional furniture & kitchen cabinet mfg	2	77	10	780	17 320	589	996	10 056	28 817	23 077	52 322	931
339	Miscellaneous mfg	7	42	4	608	12 347	409	595	6 694	26 500	17 918	45 714	2 733
HIALEAH GARDENS, FL													
31-33	Manufacturing	2	52	12	1 520	28 357	1 255	2 190	18 291	69 860	93 583	159 571	2 448
315	Apparel mfg	-	14	6	1 005	19 220	848	1 540	12 647	49 495	72 253	117 144	1 155
3152	Cut & sew apparel mfg	-	12	4	f	D	D	D	D	D	D	D	D
HOLLY HILL, FL													
31-33	Manufacturing	3	36	5	610	14 248	488	708	8 179	19 487	33 190	50 414	2 662

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HOLLYWOOD, FL													
31-33	Manufacturing	1	169	41	3 498	92 567	2 539	4 651	52 270	461 892	312 623	769 603	16 635
323	Printing & related support activities	1	26	5	638	20 908	508	999	14 077	49 504	27 926	76 663	8 946
3231	Printing & related support activities	1	26	5	638	20 908	508	999	14 077	49 504	27 926	76 663	8 946
32311	Printing	1	23	5	621	20 660	494	983	13 890	49 042	27 820	76 095	8 923
323110	Commercial lithographic printing	—	9	3	508	16 957	423	845	12 073	41 259	25 101	65 523	D
339	Miscellaneous mfg	5	34	7	642	15 275	449	822	7 790	43 517	37 495	80 661	697
3399	Other miscellaneous mfg	5	22	7	593	14 322	413	776	7 238	41 212	36 583	77 475	629
JACKSONVILLE, FL (CC) *													
31-33	Manufacturing	—	754	235	28 237	944 142	19 977	40 496	559 736	3 893 928	3 361 688	7 230 951	254 578
311	Food mfg	—	38	15	h	D	D	D	D	D	D	D	D
3116	Meat product mfg	3	6	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	3	6	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing	—	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	—	18	4	945	27 310	327	766	9 067	74 081	33 148	107 155	D
31181	Bread & bakery product mfg	—	17	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	7	4	898	26 719	292	727	8 735	72 529	32 453	104 905	D
3119	Other food mfg	—	6	3	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	9	8	h	D	D	D	D	D	D	D	D
3121	Beverage mfg	—	8	7	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	—	5	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	—	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries	—	2	1	g	D	D	D	D	D	D	D	D
312120	Breweries	—	2	1	g	D	D	D	D	D	D	D	D
3122	Tobacco mfg	—	1	1	f	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	—	1	1	f	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg	—	26	9	619	17 703	467	1 008	10 235	52 502	123 808	175 796	D
322	Paper mfg	—	24	18	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	—	2	2	f	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	2	2	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	—	22	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	11	9	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg	—	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916
322232	Envelope mfg	—	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916
323	Printing & related support activities	2	131	31	1 714	48 032	1 200	2 279	27 749	115 852	71 678	187 078	5 993
3231	Printing & related support activities	2	131	31	1 714	48 032	1 200	2 279	27 749	115 852	71 678	187 078	5 993
32311	Printing	2	114	26	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	2	50	15	798	26 163	527	1 084	14 336	53 125	28 889	81 892	2 252
325	Chemical mfg	2	35	12	1 284	50 291	867	1 847	27 965	347 431	328 177	675 178	20 403
326	Plastics & rubber products mfg	—	32	12	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	1	25	10	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	—	42	15	g	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	—	3	2	g	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	—	3	2	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	—	2	1	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	—	28	10	f	D	D	D	D	D	D	D	D
3274	Lime & gypsum product mfg	—	2	2	f	D	D	D	D	D	D	D	D
32742	Gypsum product mfg	—	2	2	f	D	D	D	D	D	D	D	D
327420	Gypsum product mfg	—	2	2	f	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	JACKSONVILLE, FL (CC) *—Con.												
	Manufacturing—Con.												
331	Primary metal mfg	-	9	8	g	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
33122	Rolling & drawing of purchased steel	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
331222	Steel wire drawing	-	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
332	Fabricated metal product mfg	-	110	37	3 659	99 761	2 719	5 391	62 986	227 412	309 376	527 893	17 336
3323	Architectural & structural metals mfg	-	48	22	2 324	55 806	1 697	3 353	33 039	132 736	135 617	268 280	9 414
33231	Plate work & fabricated structural product mfg	-	18	8	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	-	30	14	g	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	-	6	3	754	17 482	468	1 040	8 595	46 997	31 063	77 727	903
332322	Sheet metal work mfg	-	14	9	f	D	D	D	D	D	D	D	D
333	Machinery mfg	2	50	19	1 411	46 401	911	1 833	24 452	107 210	76 839	186 352	6 067
336	Transportation equipment mfg	2	34	11	g	D	D	D	D	D	D	D	D
3366	Ship & boat building	2	14	6	g	D	D	D	D	D	D	D	D
33661	Ship & boat building	2	14	6	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing	2	11	6	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	-	58	10	1 161	31 009	914	1 665	18 583	73 809	59 163	131 005	D
3371	Household & institutional furniture & kitchen cabinet mfg	1	40	5	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	88	15	h	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	-	45	8	h	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	45	8	h	D	D	D	D	D	D	D	D
339115	Ophthalmic goods mfg	-	2	1	g	D	D	D	D	D	D	D	D
	JACKSONVILLE CITY (BALANCE), FL *												
31-33	Manufacturing	-	723	231	27 933	935 578	19 768	40 104	555 281	3 878 378	3 349 225	7 203 375	253 926
311	Food mfg	-	35	15	h	D	D	D	D	D	D	D	D
3116	Meat product mfg	3	6	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	3	6	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	15	4	940	27 234	324	762	9 031	73 852	33 003	106 781	D
31181	Bread & bakery product mfg	-	14	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	7	4	898	26 719	292	727	8 735	72 529	32 453	104 905	D
3119	Other food mfg	-	6	3	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	-	9	8	h	D	D	D	D	D	D	D	D
3121	Beverage mfg	-	8	7	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	-	5	5	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	-	3	3	f	D	D	D	D	D	D	D	D
31212	Breweries	-	2	1	g	D	D	D	D	D	D	D	D
312120	Breweries	-	2	1	g	D	D	D	D	D	D	D	D
3122	Tobacco mfg	-	1	1	f	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	-	1	1	f	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg	-	25	9	f	D	D	D	D	D	D	D	D
322	Paper mfg	-	24	18	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
32213	Paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
322130	Paperboard mills	-	2	2	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	22	16	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	-	11	9	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg	-	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916
322232	Envelope mfg	-	3	3	525	16 210	433	921	11 929	29 977	39 993	70 506	3 916

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	JACKSONVILLE CITY (BALANCE), FL *—Con.												
	Manufacturing—Con.												
323	Printing & related support activities.....	2	127	31	1 690	47 649	1 187	2 253	27 466	114 860	71 187	185 590	D
3231	Printing & related support activities.....	2	127	31	1 690	47 649	1 187	2 253	27 466	114 860	71 187	185 590	D
32311	Printing.....	2	110	26	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	2	47	15	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	2	35	12	1 284	50 291	867	1 847	27 965	347 431	328 177	675 178	20 403
326	Plastics & rubber products mfg.....	—	31	11	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg.....	—	24	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	—	41	15	g	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg.....	—	3	2	g	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg.....	—	3	2	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass.....	—	2	1	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg.....	—	27	10	729	19 129	519	972	11 649	39 828	55 306	93 169	D
3274	Lime & gypsum product mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
32742	Gypsum product mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
327420	Gypsum product mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	—	9	8	g	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel.....	—	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
33122	Rolling & drawing of purchased steel.....	—	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
331222	Steel wire drawing.....	—	6	6	698	23 161	555	1 366	16 797	47 697	100 743	151 734	D
332	Fabricated metal product mfg.....	—	108	37	h	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg.....	—	47	22	g	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg..	—	18	8	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg.....	—	29	14	g	D	D	D	D	D	D	D	D
332321	Metal window & door mfg.....	—	6	3	754	17 482	468	1 040	8 595	46 997	31 063	77 727	903
332322	Sheet metal work mfg.....	—	14	9	f	D	D	D	D	D	D	D	D
333	Machinery mfg.....	2	49	18	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	2	32	10	g	D	D	D	D	D	D	D	D
3366	Ship & boat building.....	2	13	6	g	D	D	D	D	D	D	D	D
33661	Ship & boat building.....	2	13	6	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing.....	2	10	6	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	—	53	10	1 139	30 590	896	1 630	18 254	73 167	58 573	129 771	7 086
3371	Household & institutional furniture & kitchen cabinet mfg.....	1	35	5	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	—	81	15	h	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	—	44	8	h	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	—	44	8	h	D	D	D	D	D	D	D	D
339115	Ophthalmic goods mfg.....	—	2	1	g	D	D	D	D	D	D	D	D
	KISSIMMEE, FL												
31-33	Manufacturing.....	1	32	10	526	15 082	397	806	10 473	37 813	41 338	79 493	3 412
	LAKE CITY, FL												
31-33	Manufacturing.....	—	14	3	718	17 705	658	1 394	14 027	41 231	72 823	113 990	D
321	Wood product mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
3219	Other wood product mfg... All other wood product mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg..	—	1	1	f	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
LAKELAND, FL													
31-33	Manufacturing	2	81	27	4 007	127 504	2 843	6 053	72 074	349 513	300 117	652 288	37 869
311	Food mfg	-	7	5	1 192	35 165	845	1 835	21 411	138 010	111 876	251 951	13 459
3118	Bakeries & tortilla mfg	-	4	2	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	4	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	2	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	6	2	675	24 502	504	1 087	15 942	46 167	39 367	89 179	D
336	Transportation equipment mfg	3	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	3	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg	3	2	2	f	D	D	D	D	D	D	D	D
LAKE MARY, FL													
31-33	Manufacturing	-	20	4	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	4	1	g	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
LAKE WALES, FL													
31-33	Manufacturing	1	27	15	2 609	73 197	1 971	4 115	42 049	402 043	392 543	784 834	21 287
311	Food mfg	1	4	4	1 772	50 910	1 309	2 627	27 458	336 340	322 850	649 792	16 992
3114	Fruit & vegetable preserving & specialty food mfg	1	4	4	1 772	50 910	1 309	2 627	27 458	336 340	322 850	649 792	16 992
31142	Fruit & vegetable canning, pickling, & drying	1	3	3	g	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	1	3	3	g	D	D	D	D	D	D	D	D
LAKE WORTH, FL													
31-33	Manufacturing	2	46	7	523	10 761	379	650	6 833	22 295	18 497	40 334	1 139
LARGO, FL													
31-33	Manufacturing	2	138	26	2 544	60 557	1 849	3 448	35 551	135 963	95 507	229 840	8 509
LEESBURG, FL													
31-33	Manufacturing	-	38	10	854	20 354	674	1 233	13 642	39 462	46 637	87 071	2 317
LONGWOOD, FL													
31-33	Manufacturing	2	86	21	1 631	39 694	1 026	1 911	21 080	79 996	85 125	164 704	5 379
MAITLAND, FL													
31-33	Manufacturing	-	12	3	525	13 579	411	1 103	9 746	45 750	51 550	96 226	3 010
MARIANNA, FL													
31-33	Manufacturing	-	9	6	1 043	19 091	937	1 820	16 441	19 029	64 624	87 945	D
333	Machinery mfg	-	2	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
333312	Commercial laundry, drycleaning, & pressing machine mfg	-	1	1	f	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MELBOURNE, FL													
31-33	Manufacturing	—	91	20	4 435	160 560	2 055	3 815	43 769	737 586	539 004	1 282 595	24 107
333	Machinery mfg	—	2	1	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	—	1	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	1	1	f	D	D	D	D	D	D	D	D
333313	Office machinery mfg ..	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	20	8	1 669	50 413	940	1 515	18 492	235 998	195 772	430 376	6 661
3345	Navigational, measuring, medical, & control instruments mfg	—	6	3	g	D	D	D	D	D	D	D	3 712
33451	Navigational, measuring, medical, & control instruments mfg	—	6	3	g	D	D	D	D	D	D	D	3 712
334511	Search, detection, navigation, & guidance instrument mfg	—	6	3	g	D	D	D	D	D	D	D	3 712
336	Transportation equipment mfg	—	3	2	g	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	—	6	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	1	1	g	D	D	D	D	D	D	D	D
336411	Aircraft mfg	—	1	1	g	D	D	D	D	D	D	D	D
MIAMI, FL													
31-33	Manufacturing	3	575	87	7 490	188 830	5 643	10 103	122 891	546 582	464 507	1 021 737	43 579
311	Food mfg	2	78	10	890	17 465	601	1 007	9 660	71 436	101 276	172 655	3 216
312	Beverage & tobacco product mfg	8	9	5	538	12 950	379	820	7 548	66 939	67 172	134 259	3 030
315	Apparel mfg	3	109	26	1 687	26 070	1 432	2 350	17 982	74 062	48 690	121 785	1 634
3152	Cut & sew apparel mfg	3	93	22	1 490	22 376	1 279	2 108	15 660	54 180	40 329	93 993	1 082
31521	Cut & sew apparel contractors	4	40	10	656	7 408	621	938	6 430	16 703	3 677	20 355	480
315212	Women's, girls', & infants' cut & sew apparel contractors ..	3	36	7	540	6 253	513	806	5 498	14 168	2 205	16 339	D
31523	Women's & girls' cut & sew apparel mfg	3	38	8	616	11 861	469	799	7 047	31 978	29 468	60 776	496
323	Printing & related support activities	6	91	15	966	28 867	660	1 259	18 141	58 245	35 707	92 762	3 347
3231	Printing & related support activities	6	91	15	966	28 867	660	1 259	18 141	58 245	35 707	92 762	3 347
32311	Printing	6	81	14	862	25 330	584	1 123	15 705	51 205	33 894	83 914	2 992
323110	Commercial lithographic printing ..	5	36	9	537	15 276	350	688	9 403	28 767	19 466	48 079	1 666
325	Chemical mfg	1	18	4	676	37 782	417	836	26 764	146 477	66 873	224 901	16 595
3254	Pharmaceutical & medicine mfg	1	4	4	609	36 239	374	784	26 060	140 469	61 630	213 595	16 319
32541	Pharmaceutical & medicine mfg	1	4	4	609	36 239	374	784	26 060	140 469	61 630	213 595	16 319
325413	In-vitro diagnostic substance mfg	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	2	18	4	598	21 133	452	927	14 013	44 108	40 125	85 583	D
337	Furniture & related product mfg	2	53	4	589	10 751	496	798	7 752	12 823	22 355	35 182	1 269
MILTON, FL													
31-33	Manufacturing	—	20	5	1 046	15 478	938	1 442	12 038	128 577	85 970	215 882	549
315	Apparel mfg	—	2	2	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	—	2	2	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	—	1	1	f	D	D	D	D	D	D	D	D
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	—	1	1	f	D	D	D	D	D	D	D	D
MIRAMAR, FL													
31-33	Manufacturing	5	36	10	729	25 066	472	1 037	11 852	73 431	51 310	124 854	4 443

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MULBERRY, FL													
31-33	Manufacturing	-	20	9	1 357	53 003	995	2 057	33 693	240 771	580 710	815 190	5 564
325	Chemical mfg	-	4	3	f	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	-	2	2	f	D	D	D	D	D	D	D	D
32531	Fertilizer mfg	-	2	2	f	D	D	D	D	D	D	D	D
325312	Phosphatic fertilizer mfg	-	1	1	f	D	D	D	D	D	D	D	D
NAPLES, FL													
31-33	Manufacturing	3	94	9	805	17 566	649	1 035	11 402	48 299	34 267	81 790	4 219
NORTH MIAMI, FL													
31-33	Manufacturing	4	63	7	529	10 339	415	740	7 163	24 279	20 288	44 607	918
NORTH MIAMI BEACH, FL													
31-33	Manufacturing	1	48	7	647	15 955	409	789	8 576	42 539	59 783	100 874	1 208
OAKLAND PARK, FL													
31-33	Manufacturing	2	166	19	1 855	48 836	1 370	2 201	28 729	99 232	93 600	193 803	6 938
OCALA, FL													
31-33	Manufacturing	1	138	48	7 680	185 328	5 370	9 717	113 468	510 922	512 424	1 023 083	21 055
321	Wood product mfg	-	12	10	g	D	D	D	D	D	D	D	D
3219	Other wood product mfg ...	-	11	9	g	D	D	D	D	D	D	D	D
32199	All other wood product mfg	-	6	5	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg ..	-	5	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	19	9	1 362	25 329	1 062	1 607	17 412	72 052	67 651	142 494	2 939
3326	Spring & wire product mfg .	-	3	2	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg	-	3	2	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg	-	3	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	7	6	4	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	9	4	2	f	D	D	D	D	D	D	D	1 511
33422	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	f	D	D	D	D	D	D	D	1 511
334220	Radio & TV broadcasting & wireless communications equipment mfg	9	4	2	f	D	D	D	D	D	D	D	1 511
336	Transportation equipment mfg	-	12	6	h	D	D	D	D	D	D	D	8 545
3362	Motor vehicle body & trailer mfg	-	5	4	h	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	-	5	4	h	D	D	D	D	D	D	D	D
336211	Motor vehicle body mfg	-	1	1	g	D	D	D	D	D	D	D	D
336213	Motor home mfg	-	1	1	f	D	D	D	D	D	D	D	D
OLDSMAR, FL													
31-33	Manufacturing	2	55	19	1 303	37 431	897	1 747	19 712	89 759	90 672	181 215	5 879
OPA-LOCKA, FL													
31-33	Manufacturing	2	119	39	3 031	69 098	2 500	5 012	45 653	162 826	156 866	320 982	8 702
332	Fabricated metal product mfg	2	21	8	560	17 119	446	811	10 950	34 934	24 374	59 745	2 534

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ORLANDO, FL													
31-33	Manufacturing	-	281	85	12 168	522 485	5 592	11 067	145 653	1 553 663	768 870	2 390 457	97 785
311	Food mfg	-	20	7	1 924	64 843	1 063	2 479	28 491	260 839	186 479	447 449	D
3118	Bakeries & tortilla mfg	-	14	3	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	14	3	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	5	3	f	D	D	D	D	D	D	D	D
3119	Other food mfg	-	4	3	f	D	D	D	D	D	D	D	D
31191	Snack food mfg	-	2	2	f	D	D	D	D	D	D	D	D
311919	Other snack food mfg	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	4	87	24	1 577	49 044	1 153	2 183	32 147	117 770	64 335	181 032	9 163
3231	Printing & related support activities	4	87	24	1 577	49 044	1 153	2 183	32 147	117 770	64 335	181 032	9 163
32311	Printing	5	74	18	1 291	39 815	940	1 781	25 750	98 265	60 142	157 626	7 608
323110	Commercial lithographic printing	7	32	8	702	23 117	538	1 111	15 662	54 601	40 865	94 619	4 524
332	Fabricated metal product mfg	5	31	11	521	14 116	391	725	8 867	29 364	26 388	55 866	D
334	Computer & electronic product mfg	-	15	9	5 489	325 174	1 417	2 675	40 972	992 913	234 146	1 294 089	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	3	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	3	h	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	2	1	h	D	D	D	D	D	D	D	D
ORMOND BEACH, FL													
31-33	Manufacturing	2	47	13	1 039	26 437	689	1 246	15 910	56 129	43 825	100 095	7 348
PALATKA, FL													
31-33	Manufacturing	-	34	13	2 440	87 072	2 020	4 017	65 906	277 085	458 614	716 596	34 318
322	Paper mfg	-	3	3	g	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	g	D	D	D	D	D	D	D	D
32212	Paper mills	-	1	1	g	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills	-	1	1	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	-	4	2	f	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg	-	4	2	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg	-	2	2	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg	-	2	2	f	D	D	D	D	D	D	D	D
PALM BAY, FL													
31-33	Manufacturing	-	61	18	8 325	358 633	2 468	5 020	72 478	544 829	559 533	1 171 598	D
334	Computer & electronic product mfg	-	12	6	i	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	6	3	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	6	3	g	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg	-	3	2	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	2	i	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	2	i	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	3	1	i	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PANAMA CITY, FL													
31-33	Manufacturing	-	63	15	2 255	74 781	1 668	3 390	48 142	247 806	299 303	514 841	23 258
322	Paper mfg	-	2	2	f	D	D	D	D	D	D	D	D
3221	Pulp, paper, & paperboard mills	-	1	1	f	D	D	D	D	D	D	D	D
32211	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
322110	Pulp mills	-	1	1	f	D	D	D	D	D	D	D	D
PEMBROKE PINES, FL													
31-33	Manufacturing	1	54	6	632	15 743	517	968	8 459	54 183	28 071	79 989	5 971
PENSACOLA, FL													
31-33	Manufacturing	-	75	18	1 865	62 947	1 365	2 652	41 941	226 643	251 097	475 720	9 640
325	Chemical mfg	-	8	4	507	20 526	337	634	11 503	121 303	131 028	251 220	D
PINELLAS PARK, FL													
31-33	Manufacturing	1	190	58	7 653	209 590	5 154	10 337	111 142	630 218	517 897	1 136 318	57 154
325	Chemical mfg	-	9	4	544	21 092	315	755	10 140	100 419	93 556	192 154	8 292
332	Fabricated metal product mfg	1	42	11	1 667	44 239	1 085	2 396	22 972	98 378	56 272	148 612	5 402
3323	Architectural & structural metals mfg	1	9	4	517	12 021	326	824	6 092	26 991	22 716	49 757	1 398
3329	Other fabricated metal product mfg	-	3	2	f	D	D	D	D	D	D	D	D
33291	Metal valve mfg	-	2	1	f	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg	-	2	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	24	7	943	27 287	632	1 173	14 397	156 847	83 119	233 196	D
3333	Commercial & service industry machinery mfg ..	-	3	2	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
333314	Optical instrument & lens mfg	-	2	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	1	10	5	1 214	29 009	730	1 425	14 004	52 480	69 823	125 621	3 854
3345	Navigational, measuring, medical, & control instruments mfg	-	3	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	3	1	f	D	D	D	D	D	D	D	D
334510	Electromedical & electrotherapeutic apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	12	4	586	14 270	495	994	9 066	30 478	27 371	56 043	1 530
339	Miscellaneous mfg	3	21	11	677	17 406	460	818	8 291	32 819	34 509	66 555	2 586
PLANTATION, FL													
31-33	Manufacturing	-	53	8	h	D	D	D	D	D	D	D	15 588
334	Computer & electronic product mfg	-	9	4	h	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	3	2	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	h	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PLANT CITY, FL													
31-33	Manufacturing	-	54	29	3 990	101 333	3 210	6 967	68 804	461 663	478 493	934 983	30 239
311	Food mfg.....	-	8	6	1 282	30 209	991	2 201	19 992	218 442	153 463	365 374	8 981
3116	Meat product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing.....	-	1	1	f	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg.....	-	6	5	868	19 838	715	1 557	13 310	51 294	67 092	118 145	D
3219	Other wood product mfg...	-	6	5	868	19 838	715	1 557	13 310	51 294	67 092	118 145	D
32199	All other wood product mfg.....	-	5	5	f	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg ..	-	4	4	f	D	D	D	D	D	D	D	1 028
POMPANO BEACH, FL													
31-33	Manufacturing	2	284	80	6 711	187 845	4 776	9 211	106 786	436 553	349 211	783 846	34 209
323	Printing & related support activities.....	2	45	7	764	26 844	398	796	10 912	59 775	26 854	86 584	2 148
3231	Printing & related support activities.....	2	45	7	764	26 844	398	796	10 912	59 775	26 854	86 584	2 148
32311	Printing.....	2	41	7	759	26 768	393	791	10 856	59 628	26 818	86 401	2 139
323110	Commercial lithographic printing ..	2	19	6	582	21 331	288	604	8 350	47 626	19 180	66 775	1 519
326	Plastics & rubber products mfg.....	5	20	10	787	19 779	621	1 278	12 237	46 177	43 700	90 891	5 134
3261	Plastics product mfg	6	17	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	2	18	12	731	20 854	509	1 110	12 741	56 294	59 903	116 473	6 936
332	Fabricated metal product mfg.....	-	50	13	1 310	40 001	946	1 754	24 065	79 070	60 626	141 204	6 359
334	Computer & electronic product mfg.....	5	20	9	532	17 514	357	649	8 879	31 081	21 381	54 642	2 469
337	Furniture & related product mfg.....	2	31	5	788	19 858	626	1 301	12 315	41 296	37 816	76 509	1 971
PORT ST. JOE, FL													
31-33	Manufacturing	1	11	6	f	D	D	D	D	D	D	D	D
QUINCY, FL													
31-33	Manufacturing	3	19	5	732	16 246	617	1 131	10 124	37 537	59 204	96 414	2 153
RIVIERA BEACH, FL													
31-33	Manufacturing	2	73	22	1 439	42 083	984	1 943	24 453	127 279	87 666	213 234	8 194
ROCKLEDGE, FL													
31-33	Manufacturing	1	34	8	772	18 869	556	982	11 214	49 247	55 301	103 718	7 758
ST. AUGUSTINE, FL													
31-33	Manufacturing	-	36	5	692	16 477	528	1 020	10 585	38 415	31 116	68 858	814

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ST. PETERSBURG, FL													
31-33	Manufacturing	1	203	48	7 389	227 142	4 091	8 308	96 567	650 404	596 808	1 237 345	80 387
323	Printing & related support activities.....	7	45	7	724	21 877	593	1 256	16 708	50 859	51 750	102 676	5 412
3231	Printing & related support activities.....	7	45	7	724	21 877	593	1 256	16 708	50 859	51 750	102 676	5 412
32311	Printing	7	40	6	674	20 986	559	1 200	16 170	49 253	51 485	100 803	5 321
326	Plastics & rubber products mfg	-	11	5	516	13 509	374	700	9 310	35 220	24 053	59 780	3 124
3261	Plastics product mfg	-	11	5	516	13 509	374	700	9 310	35 220	24 053	59 780	3 124
332	Fabricated metal product mfg	-	20	7	698	21 148	523	1 142	15 206	51 101	38 982	90 813	2 009
334	Computer & electronic product mfg	-	20	10	3 677	124 145	1 403	3 176	33 401	406 079	395 627	793 541	63 181
3344	Semiconductor & other electronic component mfg	-	8	7	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	8	7	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg	-	1	1	g	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	7	2	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	7	2	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	1	1	g	D	D	D	D	D	D	D	D
SANFORD, FL													
31-33	Manufacturing	1	61	25	2 270	50 165	1 732	2 940	29 490	124 812	127 803	253 579	14 952
336	Transportation equipment mfg	3	8	6	f	D	D	D	D	D	D	D	3 180
3363	Motor vehicle parts mfg ...	4	5	4	565	11 444	369	586	5 169	11 660	18 531	30 839	3 072
SARASOTA, FL													
31-33	Manufacturing	1	89	11	1 529	35 520	1 119	2 033	18 928	85 588	52 925	136 647	6 005
334	Computer & electronic product mfg	-	3	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	1	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	1	1	f	D	D	D	D	D	D	D	D
334415	Electronic resistor mfg	-	1	1	f	D	D	D	D	D	D	D	D
STARKE, FL													
31-33	Manufacturing	-	9	4	583	7 571	518	825	5 961	12 630	17 620	29 220	D
STUART, FL													
31-33	Manufacturing	-	66	9	1 852	63 736	1 173	2 812	46 091	194 673	127 072	308 205	9 892
336	Transportation equipment mfg	-	8	3	g	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	-	2	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	-	2	2	g	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SUNRISE, FL													
31-33	Manufacturing	1	71	12	2 405	50 612	1 029	1 457	25 987	104 360	88 634	201 272	13 658
334	Computer & electronic product mfg.....	-	8	3	1 607	23 862	456	532	9 596	34 663	50 058	91 543	D
3344	Semiconductor & other electronic component mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
TALLAHASSEE, FL													
31-33	Manufacturing	-	102	20	g	D	D	D	D	D	D	D	7 930
323	Printing & related support activities.....	1	34	7	f	D	D	D	D	D	D	D	2 375
3231	Printing & related support activities.....	1	34	7	f	D	D	D	D	D	D	D	2 375
32311	Printing	1	32	7	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	-	7	4	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
TAMPA, FL													
31-33	Manufacturing	1	463	126	13 213	364 165	9 147	18 498	214 781	1 125 623	1 311 322	2 442 095	71 740
311	Food mfg.....	-	35	8	1 443	36 655	922	2 062	17 891	113 849	233 578	347 083	4 393
3117	Seafood product preparation & packaging..	-	4	1	f	D	D	D	D	D	D	D	D
31171	Seafood product preparation & packaging.....	-	4	1	f	D	D	D	D	D	D	D	D
311712	Fresh & frozen seafood processing..	-	4	1	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg.....	2	13	8	g	D	D	D	D	D	D	D	20 598
3121	Beverage mfg.....	-	7	4	f	D	D	D	D	D	D	D	11 707
31211	Soft drink & ice mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3122	Tobacco mfg.....	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
31222	Tobacco product mfg ...	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
312229	Other tobacco product mfg.....	4	6	4	894	16 371	701	1 527	13 326	201 701	66 362	268 401	8 891
323	Printing & related support activities.....	1	92	14	1 599	46 152	1 232	2 326	30 187	102 448	91 440	194 183	16 292
3231	Printing & related support activities.....	1	92	14	1 599	46 152	1 232	2 326	30 187	102 448	91 440	194 183	16 292
32311	Printing	1	81	12	1 466	42 460	1 127	2 141	27 604	95 627	89 138	185 150	D
323110	Commercial lithographic printing ..	-	35	7	878	27 093	687	1 419	17 991	56 914	62 675	119 561	13 684
326	Plastics & rubber products mfg.....	5	24	11	704	18 798	475	1 018	11 548	48 191	52 338	99 582	4 451
3261	Plastics product mfg.....	4	17	9	608	16 248	402	861	9 757	41 005	45 623	85 601	4 098
332	Fabricated metal product mfg.....	-	59	21	1 670	50 766	1 164	2 263	30 045	132 058	143 728	274 838	3 456
3323	Architectural & structural metals mfg.....	-	21	14	698	17 711	508	986	10 744	53 060	46 617	100 574	1 567
33232	Ornamental & architectural metal products mfg.....	-	17	11	520	12 651	353	647	7 035	32 025	35 333	68 248	1 090

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	TAMPA, FL—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg.....	1	16	7	1 508	45 290	888	1 965	26 108	79 626	139 382	220 484	5 772
3342	Communications equipment mfg.....	1	7	3	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	2	20	7	926	27 147	761	1 568	18 784	53 037	39 522	94 392	1 224
3366	Ship & boat building.....	2	11	5	793	24 584	656	1 431	17 132	46 682	32 814	81 120	813
33661	Ship & boat building.....	2	11	5	793	24 584	656	1 431	17 132	46 682	32 814	81 120	813
337	Furniture & related product mfg.....	4	41	8	538	12 085	415	749	6 472	29 402	23 356	52 868	2 467
	TARPON SPRINGS, FL												
31-33	Manufacturing.....	3	40	7	558	11 426	404	738	6 249	29 452	21 192	51 084	1 105
	TITUSVILLE, FL												
31-33	Manufacturing.....	4	46	9	614	12 347	495	673	8 008	29 319	20 691	49 942	1 685
	VERO BEACH, FL												
31-33	Manufacturing.....	8	47	3	645	22 367	409	922	11 367	39 036	57 805	92 301	1 850
	WEST MELBOURNE, FL												
31-33	Manufacturing.....	2	29	8	1 162	25 948	922	1 394	12 263	43 813	50 039	94 156	D
334	Computer & electronic product mfg.....	—	6	3	888	18 497	728	1 044	7 787	29 746	40 922	70 865	D
3344	Semiconductor & other electronic component mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
	WEST PALM BEACH, FL												
31-33	Manufacturing.....	—	154	27	7 014	402 808	2 457	5 091	81 542	1 886 388	442 547	2 269 214	33 023
334	Computer & electronic product mfg.....	1	12	7	f	D	D	D	D	D	D	D	6 961
3344	Semiconductor & other electronic component mfg.....	1	7	6	f	D	D	D	D	D	D	D	6 633
33441	Semiconductor & other electronic component mfg.....	1	7	6	f	D	D	D	D	D	D	D	6 633
336	Transportation equipment mfg.....	—	3	1	h	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg.....	—	2	1	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	—	2	1	h	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg.....	—	1	1	h	D	D	D	D	D	D	D	D
	WINTER GARDEN, FL												
31-33	Manufacturing.....	1	25	7	618	15 852	501	1 037	9 912	37 998	125 408	153 789	D

Table 4. Industry Statistics for Places: 1997—Con.

[Includes data for industry groups and industries with 500 employees or more. For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
31-33	WINTER HAVEN, FL Manufacturing	-	42	13	818	24 071	488	925	11 286	74 698	112 219	188 290	6 849

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c-100 to 249 employees; e-250 to 499 employees; f-500 to 999 employees; g-1,000 to 2,499 employees, h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

Table 5. Detailed Statistics for the State: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
FLORIDA		FLORIDA—Con.	
Companies ¹	number.. 15 192	Quantity of electricity purchased for heat and power	1,000 kWh.. 12 221 816
All establishments	number.. 15 992	Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 5 608 910
Establishments with 1 to 19 employees	number.. 12 364	Total value of shipments	\$1,000.. 77 477 510
Establishments with 20 to 99 employees	number.. 2 780	Value of resales	\$1,000.. 2 940 650
Establishments with 100 employees or more	number.. 848	Value added	\$1,000.. 40 213 354
All employees	number.. 433 149	Total inventories, beginning of year	\$1,000.. 9 119 734
Total compensation ²	\$1,000.. 16 384 051	Finished goods inventories, beginning of year	\$1,000.. 3 228 596
Annual payroll	\$1,000.. 13 185 078	Work-in-process inventories, beginning of year	\$1,000.. 2 703 930
Total fringe benefits	\$1,000.. 3 198 973	Materials and supplies inventories, beginning of year	\$1,000.. 3 187 208
Production workers, average for year	number.. 291 452	Total inventories, end of year	\$1,000.. 9 619 945
Production workers on March 12	number.. 290 459	Finished goods inventories, end of year	\$1,000.. 3 398 741
Production workers on May 12	number.. 291 706	Work-in-process inventories, end of year	\$1,000.. 2 795 532
Production workers on August 12	number.. 291 052	Materials and supplies inventories, end of year	\$1,000.. 3 425 672
Production workers on November 12	number.. 292 591	Gross book value of total assets at beginning of year	\$1,000.. 28 166 033
Production-worker hours	1,000.. 562 891	Total capital expenditures (new and used)	\$1,000.. 2 979 519
Production-worker wages	\$1,000.. 6 825 999	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 479 292
Total cost of materials	\$1,000.. 37 555 711	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 500 227
Cost of materials, parts, containers, etc., consumed	\$1,000.. 32 904 605	Total retirements ²	\$1,000.. 870 781
Cost of resales	\$1,000.. 2 107 862	Gross book value of total assets at end of year	\$1,000.. 30 274 771
Cost of fuels	\$1,000.. 482 536	Total depreciation during year ²	\$1,000.. 2 080 538
Cost of purchased electricity	\$1,000.. 707 737	Total rental payments ²	\$1,000.. 805 586
Cost of contract work	\$1,000.. 1 352 971	Buildings and other structures rental payments ²	\$1,000.. 340 725
		Machinery and equipment rental payments ²	\$1,000.. 464 861

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

²These items are collected in the ASM and estimated for the remaining establishments.

Appendix A.

Explanation of Terms

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory Data by Stage of Fabrication

Total inventories and three detailed components (1) finished goods, (2) work-in-process, and (3) materials, supplies, fuels, etc., were collected.

When using inventory data by stage of fabrication for “all industries” and at the three-digit subsector level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

COST OF MATERIALS

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

Included in this item are:

1. Cost of parts, components, containers, etc.—Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.

3. Cost of fuels consumed for heat and power—Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. Cost of purchased electricity—The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work—This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term “Contract Work” refers to the fee a company pays to another company to perform a service.

Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the survey.

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

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual

manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

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

DEPRECIATION CHARGES FOR FIXED ASSETS

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

EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

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

All Other Employees

This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria,

medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

FRINGE BENEFITS

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

GROSS BOOK VALUE OF DEPRECIABLE ASSETS AT BEGINNING OF YEAR (BOY) AND END OF YEAR (EOY)

Total value of depreciable assets is collected on all census forms. It shows the value of depreciable assets for the beginning of year and end of year. The data encompass all fixed depreciable assets on the books of establishments. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets including inventories and intangible assets, such as timber and mineral rights.

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

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

NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location

where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

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

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

PAYROLL

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

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

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

PRODUCTION-WORKER HOURS

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

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the

Annual Survey of Manufactures (ASM) form. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

RENTAL PAYMENTS

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

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

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

RETIREMENTS OF DEPRECIABLE ASSETS

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

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies and

plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

VALUE ADDED

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

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

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

VALUE OF SHIPMENTS

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

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

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

1. Reported contract work—Receipts for work or services that a plant performed for others on their materials.
2. Value of resales—Sales of products brought and sold without further manufacture, processing, or assembly.
3. Other miscellaneous receipts—Such as repair work, installation, sales of scrap, etc.

Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

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

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

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

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

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

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

The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying as well as products of other manufacturing establishments. The materials used may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another, under the same ownership.

The new product of a manufacturing establishment may be finished in the sense that it is ready for utilization or consumption, or it may be semifinished to become an input for an establishment engaged in further manufacturing. For example, the product of the alumina refinery is the input used in the primary production of aluminum; primary aluminum is the input to an aluminum wire drawing plant; and aluminum wire is the input for a fabricated wire product manufacturing establishment.

The subsectors in the Manufacturing sector generally reflect distinct production processes related to material inputs, production equipment, and employee skills. In the machinery area, where assembling is a key activity, parts and accessories for manufactured products are classified in the industry of the finished manufactured item when they are made for separate sale. For example, a replacement refrigerator door would be classified with refrigerators and an attachment for a piece of metal working

machinery would be classified with metal working machinery. However, components, input from other manufacturing establishments, are classified based on the production function of the component manufacturer. For example, electronic components are classified in Subsector 334, Computer and Electronic Product Manufacturing and stampings are classified in Subsector 332, Fabricated Metal Product Manufacturing.

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

The boundaries of manufacturing and the other sectors of the classification system can be somewhat blurry. The establishments in the manufacturing sector are engaged in the transformation of materials into new products. Their output is a new product. However, the definition of what constitutes a new product can be somewhat subjective. As clarification, the following activities are considered manufacturing in NAICS: milk bottling and pasteurizing; water bottling and processing; fresh fish packaging (oyster shucking, fish filleting); apparel jobbing (assigning of materials to contract factories or shops for fabrication or other contract operations) as well as contracting on materials owned by others; printing and related activities; ready-mixed concrete production; leather converting; grinding of lenses to prescription; wood preserving; electroplating, plating, metal heat treating, and polishing for the trade; lapidary work for the trade; fabricating signs and advertising displays; rebuilding or remanufacturing machinery (i.e., automotive parts); ship repair and renovation; machine shops; and tire retreading.

Conversely, there are activities that are sometimes considered manufacturing, but which for NAICS are classified in another sector (i.e., not classified as manufacturing). They include:

1. Logging, classified in Sector 11, Agriculture, Forestry, Fishing and Hunting, is considered a harvesting operation;
2. The beneficiating of ores and other minerals, classified in Sector 21, Mining, is considered part of the activity of mining;

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

311 Food Manufacturing

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

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

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

3111 Animal Food Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31111, Animal Food Manufacturing.

31111 Animal Food Manufacturing

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

311111 Dog and Cat Food Manufacturing

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

The data published with NAICS code 311111 include the following SIC industry:

2047 Dog and cat food

311119 Other Animal Food Manufacturing

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

The data published with NAICS code 311119 include the following SIC industry:

2048 Prepared feeds and feed ingredients for animals and fowls, except dogs and cats (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311119 do not include establishments primarily engaged in the custom grinding of grain. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3112 Grain and Oilseed Milling

This NAICS industry group includes establishments classified in the following NAICS Industries: 31121, Flour Milling and Malt Manufacturing; 31122, Starch and Vegetable Fats and Oils Manufacturing; and 31123, Breakfast Cereal Manufacturing.

31121 Flour Milling and Malt Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) milling flour or meal from grains or vegetables; (2) preparing flour mixes or doughs from flour milled in the same establishment; (3) milling, cleaning, and polishing rice; and (4) manufacturing malt from barley, rye, or other grains.

311211 Flour Milling

This U.S. industry comprises establishments primarily engaged in (1) milling flour or meal from grains (except rice) or vegetables and/or (2) milling flour and preparing flour mixes or doughs.

The data published with NAICS code 311211 include the following SIC industries:

2034 Dehydrated fruits, vegetables, and soup mixes (pt)

2041 Flour and other grain mill products

311212 Rice Milling

This U.S. industry comprises establishments primarily engaged in one of the following: (1) milling rice; (2) cleaning and polishing rice; or (3) milling, cleaning, and polishing rice. The establishments in this industry may package the rice they mill with other ingredients.

The data published with NAICS code 311212 include the following SIC industry:

2044 Rice milling

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311212 do not include rice mills primarily engaged in packaging uncooked rice with other ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311213 Malt Manufacturing

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

The data published with NAICS code 311213 include the following SIC industry:

2083 Malt

31122 Starch and Vegetable Fats and Oils Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) wet milling corn and vegetables; (2) crushing oilseeds and tree nuts; (3) refining and/or blending vegetable oils; (4) manufacturing shortening and margarine; and (5) blending purchased animal fats with vegetable fats.

311221 Wet Corn Milling

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

The data published with NAICS code 311221 include the following SIC industry:

2046 Wet corn milling

311222 Soybean Processing

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

The data published with NAICS code 311222 include the following SIC industry:

2075 Soybean oil mills (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311222 do not include establishments primarily engaged in the processing of

soybean oil from soybeans crushed in the same establishment. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311223 Other Oilseed Processing

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

The data published with NAICS code 311223 include the following SIC industries:

2074 Cottonseed oil mills (pt)

2076 Vegetable oil mills, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311223 do not include establishments primarily engaged in the processing of vegetable oils, except soybean oil, from oilseeds crushed in the same establishment. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311225 Fats and Oils Refining and Blending

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing shortening and margarine from purchased fats and oils; (2) refining and/or blending vegetable, oilseed, and tree nut oils from purchased oils; and (3) blending purchased animal fats with purchased vegetable fats.

The data published with NAICS code 311225 include the following SIC industries:

2074 Cottonseed oil mills (pt)

2075 Soybean oil mills (pt)

2076 Vegetable oil mills, n.e.c. (pt)

2077 Animal and marine fats and oil (pt)

2079 Shortening and cooking oils

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311225 do not include establishments primarily engaged in refining and/or blending corn oil from purchased oil. The data include establishments primarily engaged in the manufacture of vegetable oil foots. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31123 Breakfast Cereal Manufacturing

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

311230 Breakfast Cereal Manufacturing

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

The data published with NAICS code 311230 include the following SIC industry:

2043 Cereal breakfast foods (pt)

3113 Sugar and Confectionery Product Manufacturing

This industry group comprises (1) establishments that process agricultural inputs, such as sugarcane, beet, and cacao, to give rise to a new product (sugar or chocolate) and (2) those that begin with sugar and chocolate and process these further.

31131 Sugar Manufacturing

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

311311 Sugarcane Mills

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

The data published with NAICS code 311312 include the following SIC industry:

2061 Raw cane sugar

311312 Cane Sugar Refining

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

The data published with NAICS code 311312 include the following SIC industry:

2062 Cane sugar refining

311313 Beet Sugar Manufacturing

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

The data published with NAICS code 311313 include the following SIC industry:

2063 Beet sugar

31132 Chocolate and Confectionery Manufacturing From Cacao Beans

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

311320 Chocolate and Confectionery Manufacturing From Cacao Beans

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

The data published with NAICS code 311320 include the following SIC industries:

2066 Chocolate and cocoa products

31133 Confectionery Manufacturing From Purchased Chocolate

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

311330 Confectionery Manufacturing From Purchased Chocolate

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

The data published with NAICS code 311330 include the following SIC industries:

2064 Candy and other confectionery products and chewing gum (pt)

5441 Candy, nut, and confectionery stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311330 do not include establishments primarily engaged in the manufacture of chocolate products made from purchased chocolate. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3113301 Chocolate and Chocolate-type Confectionery Retail – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type chocolate and chocolate-type confectionery products not for immediate consumption made on the premises from chocolate produced elsewhere.

3113302 Chocolate and Chocolate-type Confectionery – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type chocolate and chocolate-type confectionery products from chocolate produced elsewhere.

31134 Nonchocolate Confectionery Manufacturing

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

311340 Nonchocolate Confectionery Manufacturing

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

The data published with NAICS code 311340 include the following SIC industries:

2064 Candy and other confectionery products and chewing gum (pt)

2099 Food preparations, n.e.c. (pt)

5441 Candy, nut, and confectionery stores (pt)

3113401 Nonchocolate-Type Confectionery Products Retail – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type nonchocolate confectionery products, excluding cough drops, medicated candy, roasted peanuts, unsweetened popcorn and fountain syrup, not for immediate consumption made on the premises.

3113402 Nonchocolate-Type Confectionery Products – Manufacturer

Establishments primarily engaged in the manufacture of consumer-type nonchocolate confectionery products, excluding cough drops, medicated candy, roasted peanuts, unsweetened popcorn and fountain syrup.

3114 Fruit and Vegetable Preserving and Specialty Food Manufacturing

This industry group includes (1) establishments that freeze food and (2) those that use preservation processes, such as pickling, canning, and dehydrating. Both types begin their production process with inputs of vegetable or animal origin.

31141 Frozen Food Manufacturing

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

311411 Frozen Fruit, Juice, and Vegetable Manufacturing

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

The data published with NAICS code 311411 include the following SIC industry:

2037 Frozen fruits and vegetables

311412 Frozen Specialty Food Manufacturing

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

The data published with NAICS code 311412 include the following SIC industry:

2038 Frozen specialties, n.e.c.

31142 Fruit and Vegetable Canning, Pickling, and Drying

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

311421 Fruit and Vegetable Canning

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

The data published with NAICS code 311421 include the following SIC industries:

2033 Canned fruits and vegetables

2035 Pickles, sauces, and salad dressings (pt)

311422 Specialty Canning

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

The data published with NAICS code 311422 include the following SIC industry:

2032 Canned specialties (pt)

311423 Dried and Dehydrated Food Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) drying (including freeze-dried) and/or dehydrating fruits, vegetables, and soup mixes and bouillon and/or (2) drying and/or dehydrating ingredients and packaging them with other purchased ingredients, such as rice and dry pasta.

The data published with NAICS code 311423 include the following SIC industries:

2034 Dehydrated fruits, vegetables, and soups (pt)

2099 Food preparations, n.e.c. (pt)

3115 Dairy Product Manufacturing

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

31151 Dairy Product (Except Frozen) Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dairy products (except frozen) from raw milk and/or processed milk products; (2) manufacturing dairy substitutes (except frozen) from soybeans and other nondairy substances; and (3) manufacturing dry, condensed, concentrated, and evaporated dairy and dairy substitute products.

311511 Fluid Milk Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing processed milk products, such as pasteurized milk or cream and sour cream and/or (2) manufacturing fluid milk dairy substitutes from soybeans and other nondairy substances.

The data published with NAICS code 311511 include the following SIC industry:

2026 Fluid milk

311512 Creamery Butter Manufacturing

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

The data published with NAICS code 311512 include the following SIC industry:

2021 Creamery butter

311513 Cheese Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cheese products (except cottage cheese) from raw milk and/or processed milk products and/or (2) manufacturing cheese substitutes from soybean and other nondairy substances.

The data published with NAICS code 311513 include the following SIC industry:

2022 Cheese, natural and processed

311514 Dry, Condensed, and Evaporated Dairy Product Manufacturing

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

The data published with NAICS code 311514 include the following SIC industry:

2023 Dry, condensed and evaporated milk

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311514 do not include establishments primarily engaged in the manufacture of fluid milk processed with ultra-high temperature. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31152 Ice Cream and Frozen Dessert Manufacturing

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

311520 Ice Cream and Frozen Dessert Manufacturing

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

The data published with NAICS code 311520 include the following SIC industry:

2024 Ice cream and frozen desserts

3116 Meat Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31161, Animal Slaughtering and Processing.

31161 Animal Slaughtering and Processing

This industry comprises establishments primarily engaged in one or more of the following: (1) slaughtering animals; (2) preparing processed meats and meat byproducts; and (3) rendering and/or refining animal fat, bones, and meat scraps. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased carcasses.

311611 Animal (Except Poultry) Slaughtering

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

The data published with NAICS code 311611 include the following SIC industries:

2011 Meat packing plants

2048 Prepared feeds, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311611 do not include establishments primarily engaged in custom slaughtering. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311612 Meat Processed From Carcasses

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

The data published with NAICS code 311612 include the following SIC industries:

2013 Sausages and other prepared meats

5147 Meat and meat products (pt)

311613 Rendering and Meat Byproduct Processing

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

The data published with NAICS code 311613 include the following SIC industry:

2077 Animal and marine fats and oil (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311613 do not include establishments primarily engaged in manufacturing lard from purchased materials. The NAICS definitions will be fully implemented with the 2002 Economic Census.

311615 Poultry Processing

This U.S. industry comprises establishments primarily engaged in (1) slaughtering poultry and small game and/or (2) preparing processed poultry and small game meat and meat byproducts.

The data published with NAICS code 311615 include the following SIC industry:

2015 Poultry and egg processing (pt)

3117 Seafood Product Preparation and Packaging

This NAICS industry group includes establishments classified in NAICS Industry 31171, Seafood Product Preparation and Packaging.

31171 Seafood Product Preparation and Packaging

This industry comprises establishments primarily engaged in one or more of the following: (1) canning seafood (including soup); (2) smoking, salting, and drying seafoods; (3) eviscerating fresh fish by removing heads, fins, scales, bones, and entrails; (4) shucking and packing fresh shellfish; (5) processing marine fats and oils; and (6) freezing seafood. Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are included in this industry.

311711 Seafood Canning

This U.S. industry comprises establishments primarily engaged in (1) canning seafood (including soup) and marine fats and oils and/or (2) smoking, salting, and drying seafoods. Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are included in this industry.

The data published with NAICS code 311711 include the following SIC industries:

2077 Animal and marine fats and oil (pt)

2091 Canned and cured seafood

311712 Fresh and Frozen Seafood Processing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) eviscerating fresh fish by removing heads, fins, scales, bones, and

entrails; (2) shucking and packing fresh shellfish; (3) manufacturing frozen seafood; and (4) processing fresh and frozen marine fats and oils.

The data published with NAICS code 311712 include the following SIC industries:

2077 Animal and marine fats and oil (pt)

2092 Prepared fresh or frozen fish and seafood

3118 Bakeries and Tortilla Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31181, Bread and Bakery Product Manufacturing; 31182, Cookie, Cracker, and Pasta Manufacturing; and 31183, Tortilla Manufacturing.

31181 Bread and Bakery Product Manufacturing

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

311811 Retail Bakeries

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

The data published with NAICS code 311811 include the following SIC industry:

5461 Retail bakeries (pt)

311812 Commercial Bakeries

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

The data published with NAICS code 311812 include the following SIC industries:

2051 Bread, cake, and related products

2052 Cookies and crackers (pt)

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

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

The data published with NAICS code 311813 include the following SIC industry:

2053 Frozen bakery products, except bread

31182 Cookie, Cracker, and Pasta Manufacturing

This industry comprises establishments primarily engaged in one of the following: (1) manufacturing cookies and crackers; (2) preparing flour and dough mixes and

dough from flour ground elsewhere; and (3) manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

311821 Cookie and Cracker Manufacturing

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

The data published with NAICS code 311821 include the following SIC industry:

2052 Cookies and crackers (pt)

311822 Flour Mixes and Dough Manufacturing From Purchased Flour

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

The data published with NAICS code 311822 include the following SIC industries:

2045 Blended and prepared flour

311823 Dry Pasta Manufacturing

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

The data published with NAICS code 311823 include the following SIC industry:

2098 Macaroni and spaghetti

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311823 do not include dry pasta plants primarily engaged in packaging dry pasta with other ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31183 Tortilla Manufacturing

This industry comprises establishments primarily engaged in manufacturing tortillas.

311830 Tortilla Manufacturing

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

The data published with NAICS code 311830 include the following SIC industry:

2099 Food preparations, n.e.c. (pt)

3119 Other Food Manufacturing

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

31191 Snack Food Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) salting, roasting, drying, cooking, or canning nuts; (2) processing grains or seeds into snacks; (3) manufacturing peanut butter; and (4) manufacturing potato chips, corn chips, popped popcorn, pretzels (except soft), pork rinds, and similar snacks.

311911 Roasted Nuts and Peanut Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) salting, roasting, drying, cooking, or canning nuts; (2) processing grains or seeds into snacks; and (3) manufacturing peanut butter.

The data published with NAICS code 311911 include the following SIC industries:

2068 Salted and roasted nuts and seeds

2099 Food preparations, n.e.c. (pt)

311919 Other Snack Food Manufacturing

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

The data published with NAICS code 311919 include the following SIC industries:

2052 Cookies and crackers (pt)

2096 Potato chips and similar snacks

31192 Coffee and Tea Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) roasting coffee; (2) manufacturing coffee and tea concentrates (including instant and freeze-dried); (3) blending tea; (4) manufacturing herbal tea; and (5) manufacturing coffee extracts, flavorings, and syrups.

311920 Coffee and Tea Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) roasting coffee; (2) manufacturing coffee and tea concentrates (including instant and freeze-dried); (3) blending tea; (4) manufacturing herbal tea; and (5) manufacturing coffee extracts, flavorings, and syrups.

The data published with NAICS code 311920 include the following SIC industries:

2043 Cereal breakfast foods (pt)

2095 Roasted coffee (pt)

2099 Food preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311920 do not include establishments primarily engaged in the manufacture of coffee flavorings and syrups. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31193 Flavoring Syrup and Concentrate Manufacturing

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

311930 Flavoring Syrup and Concentrate Manufacturing

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

The data published with NAICS code 311930 include the following SIC industry:

2087 Flavoring extracts and syrups, n.e.c. (pt)

31194 Seasoning and Dressing Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dressings and sauces, such as mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravies); (2) manufacturing spices, table salt, seasoning, and flavoring extracts (except coffee and meat), and natural food colorings; and (3) manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing

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

The data published with NAICS code 311941 include the following SIC industries:

2035 Pickles, sauces, and salad dressings (pt)

2099 Food preparations, n.e.c.(pt)

311942 Spice and Extract Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or (2) manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

The data published with NAICS code 311942 include the following SIC industries:

2087 Flavoring extracts and syrups, n.e.c. (pt)

2095 Roasted coffee (pt)

2099 Food preparations, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311942 include establishments primarily engaged in the manufacture of coffee extracts but do not include establishments primarily engaged in the manufacture of malt extract. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31199 All Other Food Manufacturing

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

311991 Perishable Prepared Food Manufacturing

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

The data published with NAICS code 311991 include the following SIC industry:

2099 Food preparations, n.e.c. (pt)

311999 All Other Miscellaneous Food Manufacturing

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

The data published with NAICS code 311999 include the following SIC industries:

2015 Poultry slaughtering and processing (pt)

2032 Canned specialties (pt)

2087 Flavoring extracts and syrups, n.e.c. (pt)

2099 Food preparations, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 311999 do not include establishments primarily engaged in the manufacture of soup mixes from purchased dehydrated ingredients. The NAICS definitions will be fully implemented with the 2002 Economic Census.

312 Beverage and Tobacco Product Manufacturing

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments: (1) those that manufacture nonalcoholic beverages; (2) those that manufacture alcoholic beverages through the fermentation process; and (3) those that produce distilled alcoholic beverages. Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed

under distillery product manufacturing, but rather under the NAICS class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments: (1) those engaged in redrying and stemming tobacco and (2) those that manufacture tobacco products, such as cigarettes and cigars.

3121 Beverage Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31211, Soft Drink and Ice Manufacturing; 31212, Breweries; 31213, Wineries; and 31214, Distilleries.

31211 Soft Drink and Ice Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing soft drinks; (2) manufacturing ice; and (3) purifying and bottling water.

312111 Soft Drink Manufacturing

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

The data published with NAICS code 312111 include the following SIC industry:

2086 Bottled and canned soft drinks (pt)

312112 Bottled Water Manufacturing

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

The data published with NAICS code 312112 include the following SIC industry:

2086 Bottled and canned soft drinks (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 312112 do not include establishments primarily engaged in the bottling of mineral or spring water. The NAICS definitions will be fully implemented with the 2002 Economic Census.

312113 Ice Manufacturing

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

The data published with NAICS code 312113 include the following SIC industry:

2097 Manufactured ice

31212 Breweries

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

312120 Breweries

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

The data published with NAICS code 312120 include the following SIC industry:

2082 Malt beverages

31213 Wineries

This industry comprises establishments primarily engaged in one or more of the following: (1) growing grapes and manufacturing wine and brandies; (2) manufacturing wine and brandies from grapes and other fruits grown elsewhere; and (3) blending wines and brandies.

312130 Wineries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) growing grapes and manufacturing wine and brandies; (2) manufacturing wine and brandies from grapes and other fruits grown elsewhere; and (3) blending wines and brandies.

The data published with NAICS code 312130 include the following SIC industry:

2084 Wines, brandy, and brandy spirits

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 312130 do not include establishments primarily engaged in the manufacture of applejack. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31214 Distilleries

This industry comprises establishments primarily engaged in one or more of the following: (1) distilling potable liquors (except brandies); (2) distilling and blending liquors; and (3) blending and mixing liquors and other ingredients.

312140 Distilleries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) distilling potable liquors (except brandies); (2) distilling and blending liquors; and (3) blending and mixing liquors and other ingredients.

The data published with NAICS code 312140 include the following SIC industry:

2085 Distilled liquor, except brandy

3122 Tobacco Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 31221, Tobacco Stemming and Redrying; and 31222, Tobacco Product Manufacturing.

31221 Tobacco Stemming and Redrying

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

312210 Tobacco Stemming and Redrying

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

The data published with NAICS code 312210 include the following SIC industry:

2141 Tobacco stemming and redrying (pt)

31222 Tobacco Product Manufacturing

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

312221 Cigarette Manufacturing

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

The data published with NAICS code 312221 include the following SIC industries:

2111 Cigarettes

312229 Other Tobacco Product Manufacturing

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

The data published with NAICS code 312229 include the following SIC industries:

2121 Cigars

2131 Chewing and smoking tobacco

2141 Tobacco stemming and redrying (pt)

313 Textile Mills

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

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

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

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

3131 Fiber, Yarn, and Thread Mills

This NAICS industry group includes establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

31311 Fiber, Yarn, and Thread Mills

This industry comprises establishments primarily engaged in one or more of the following: (1) spinning yarn; (2) manufacturing thread of any fiber; (3) texturizing, throwing, twisting, and winding purchased yarn or manmade fiber filaments; and (4) producing hemp yarn and further processing into rope or bags.

313111 Yarn Spinning Mills

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

The data published with NAICS code 313111 include the following SIC industries:

2281 Yarn spinning mills

2299 Textile goods, n.e.c. (pt)

313112 Yarn Texturizing, Throwing, and Twisting Mills

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

The data published with NAICS code 313112 include the following SIC industry:

2282 Yarn throwing and winding mills (pt)

3131121 Yarn Texturing, Throwing, and Twisting Mills – Manufacturer

Establishments primarily engaged in texturing, throwing, twisting, spooling, or winding purchased yarns or manmade filaments.

3131122 Yarn Texturing, Throwing, and Twisting Mills – Commission Finisher

Establishments primarily engaged in throwing, twisting, spooling, or winding yarns or manmade filaments on a commission basis.

313113 Thread Mills

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

The data published with NAICS code 313113 include the following SIC industries:

- 2284 Thread mills (pt)
- 2299 Textile goods, n.e.c. (pt)

3132 Fabric Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31321, Broadwoven Fabric Mills; 31322, Narrow Fabric Mills and Schiffli Machine Embroidery; 31323, Nonwoven Fabric Mills; and 31324, Knit Fabric Mills.

31321 Broadwoven Fabric Mills

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

313210 Broadwoven Fabric Mills

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

The data published with NAICS code 313210 include the following SIC industries:

- 2211 Weaving mills, cotton
- 2221 Weaving mills, synthetics
- 2231 Weaving and finishing mills, wool (pt)
- 2299 Textile goods, n.e.c. (pt)

31322 Narrow Fabric Mills and Schiffli Machine Embroidery

This industry comprises establishments primarily engaged in one or more of the following: (1) weaving or braiding narrow fabrics; (2) manufacturing Schiffli machine embroideries; and (3) making fabric-covered elastic yarn and thread.

313221 Narrow Fabric Mills

This U.S. industry comprises establishments primarily engaged in (1) weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or (2) making fabric-covered elastic yarn and thread. Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products

The data published with NAICS code 313221 include the following SIC industries:

- 2241 Narrow fabric mills
- 2299 Textile goods, n.e.c. (pt)

313222 Schiffli Machine Embroidery

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

The data published with NAICS code 313222 include the following SIC industry:

- 2397 Schiffli machine embroideries

31323 Nonwoven Fabric Mills

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

313230 Nonwoven Fabric Mills

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

The data published with NAICS code 313230 include the following SIC industries:

- 2297 Nonwoven fabrics
- 2299 Textile goods, n.e.c. (pt)

31324 Knit Fabric Mills

This industry comprises establishments primarily engaged in one of the following: (1) knitting weft (i.e., circular) and warp (i.e., flat) fabric; (2) knitting and finishing

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

313241 Weft Knit Fabric Mills

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

The data published with NAICS code 313241 include the following SIC industry:

2257 Circular knit fabric mills (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 313241 do not include establishments primarily engaged in the manufacture of articles of weft knit fabric. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3132411 Weft Knit Fabric Mills – Manufacturer

Establishments primarily engaged in knitting weft (i.e., circular) fabric; knitting and finishing weft fabric; or knitting, finishing, and further fabricating weft fabric products (except apparel).

3132412 Weft Knit Fabric Mills – Jobber

Establishments engaged as weft knit fabric jobbers, who perform entrepreneurial functions of a manufacturer, including buying raw materials, designing and preparing samples, arranging for fabric to be made from their materials, and marketing finished fabric or fabricated products (except apparel).

3132413 Weft Knit Fabric Mills – Contractor

Establishments primarily engaged in knitting or finishing weft knit fabric or further fabricating weft knit fabric into products (except apparel) on a commission basis.

313249 Other Knit Fabric and Lace Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting warp (i.e., flat) fabric; (2) knitting and finishing warp fabric; (3) manufacturing lace; or (4) manufacturing, dyeing, or finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

The data published with NAICS code 313249 include the following SIC industries:

2258 Lace and warp knit fabric mills (pt)

2259 Knitting mills, n.e.c. (pt)

3132491 Other Knit Fabric and Lace Mills – Manufacturer

Establishments primarily engaged in knitting warp (i.e., flat) fabric; knitting and finishing warp fabric; knitting, finishing, and further fabricating warp fabric products (except apparel); manufacturing lace; or manufacturing, dyeing, or finishing lace and lace goods.

3132492 Other Knit Fabric and Lace Mills – Jobber

Establishments engaged as other knit fabric and lace jobbers, who perform entrepreneurial functions of a manufacturer, including buying raw materials, designing and preparing samples, arranging for fabric to be made from their materials, and marketing finished fabric.

3132493 Other Knit Fabric and Lace Mills – Contractor

Establishments primarily engaged in knitting or finishing lace and other knit fabric or further fabricating lace and other knit fabric into products (except apparel) on a commission basis.

3133 Textile and Fabric Finishing and Fabric Coating Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31331, Textile and Fabric Finishing Mills; and 31332, Fabric Coating Mills.

31331 Textile and Fabric Finishing Mills

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

313311 Broadwoven Fabric Finishing Mills

This U.S. industry comprises (1) establishments primarily engaged in finishing broadwoven fabrics and (2) establishments of converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping.

The data published with NAICS code 313311 include the following SIC industries:

- 2231 Weaving and finishing mills, wool (pt)
- 2261 Finishing plants, cotton
- 2262 Finishing plants, synthetics
- 5131 Piece goods, notions and other dry goods (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 313311 do not include establishments primarily engaged in the sponging of fabric for tailors and dressmakers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3133111 Broadwoven Fabric Finishing Mills – Manufacturer

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of purchased broadwoven fabrics.

3133112 Broadwoven Fabric Finishing Mills – Converter

Establishments engaged as converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale.

3133113 Broadwoven Fabric Finishing Mills – Commission Finisher

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of broadwoven fabrics on a commission basis.

313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills

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

The data published with NAICS code 313312 include the following SIC industries:

- 2231 Weaving and finishing mills, wool (pt)
- 2257 Circular knit fabric mills (pt)
- 2258 Lace and warp knit fabric mills (pt)

2269 Finishing plants, n.e.c.

2282 Yarn throwing and winding mills (pt)

2284 Thread mills (pt)

2299 Textile goods, n.e.c. (pt)

5131 Piece goods, notions and other dry goods (pt)

3133121 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Manufacturer

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of purchased textiles, apparel, and fabrics (except broadwoven).

3133122 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Converter

Establishments engaged as converters who buy fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale.

3133123 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills – Commission Finisher

Establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven) on a commission basis.

31332 Fabric Coating Mills

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

313320 Fabric Coating Mills

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

The data published with NAICS code 313320 include the following SIC industries:

- 2295 Coated fabrics, not rubberized
- 3069 Fabricated rubber products, n.e.c. (pt)

314 Textile Product Mills

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

3141 Textile Furnishings Mills

This NAICS industry group includes establishments classified in the following NAICS Industries: 31411, Carpet and Rug Mills; and 31412, Curtain and Linen Mills.

31411 Carpet and Rug Mills

This industry comprises establishments primarily engaged in (1) manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or (2) finishing carpets and rugs.

314110 Carpet and Rug Mills

This U.S. industry comprises establishments primarily engaged in (1) manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or (2) finishing carpets and rugs.

The data published with NAICS code 314110 include the following SIC industry:

2273 Carpets and rugs

31412 Curtain and Linen Mills

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

314121 Curtain and Drapery Mills

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

The data published with NAICS code 314121 include the following SIC industries:

2391 Curtains and draperies

5714 Drapery and upholstery stores (pt)

314129 Other Household Textile Product Mills

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

The data published with NAICS code 314129 include the following SIC industry:

2392 Housefurnishings, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 314129 do not include

establishments primarily engaged in the making of custom slip covers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3149 Other Textile Product Mills

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

31491 Textile Bag and Canvas Mills

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

314911 Textile Bag Mills

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

The data published with NAICS code 314911 include the following SIC industries:

2392 Housefurnishings, n.e.c. (pt)

2393 Textile bags

314912 Canvas and Related Product Mills

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

The data published with NAICS code 314912 include the following SIC industry:

2394 Canvas and related products

31499 All Other Textile Product Mills

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

314991 Rope, Cordage, and Twine Mills

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

The data published with NAICS code 314991 include the following SIC industry:

2298 Cordage and twine

314992 Tire Cord and Tire Fabric Mills

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

The data published with NAICS code 314992 include the following SIC industry:

2296 Tire cord and fabric

314999 All Other Miscellaneous Textile Product Mills

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

The data published with NAICS code 314999 include the following SIC industries:

2299 Textile goods, n.e.c. (pt)

2395 Pleating and stitching (pt)

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 314999 include establishments primarily engaged in the manufacture of other miscellaneous textile products from SIC 3999, but do not include establishments primarily engaged in the manufacture of dust rags or textile fire hoses, or engaged in the embroidery of advertising. The NAICS definitions will be fully implemented with the 2002 Economic Census.

315 Apparel Manufacturing

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes: (1) cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment) and (2) the manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment. The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the

Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

3151 Apparel Knitting Mills

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

31511 Hosiery and Sock Mills

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

315111 Sheer Hosiery Mills

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

The data published with NAICS code 315111 include the following SIC industries:

2251 Women's hosiery, except socks

2252 Hosiery, n.e.c. (pt)

315119 Other Hosiery and Sock Mills

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

The data published with NAICS code 315119 include the following SIC industry:

2252 Hosiery, n.e.c. (pt)

31519 Other Apparel Knitting Mills

This industry comprises establishments primarily engaged in one of the following: (1) knitting underwear, outerwear, and/or nightwear; (2) knitting fabric and manufacturing underwear, outerwear, and/or nightwear; or (3) knitting, manufacturing, and finishing knit underwear, outerwear, and/or nightwear.

315191 Outerwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) knitting outerwear; (2) knitting fabric and manufacturing outerwear; and (3) knitting, manufacturing, and finishing knit outerwear. Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

The data published with NAICS code 315191 include the following SIC industries:

2253 Knit outerwear mills

2259 Knitting mills, n.e.c. (pt)

3151911 Outerwear Knitting Mills – Manufacturer

Establishments primarily engaged in knitting outerwear clothing.

3151912 Outerwear Knitting Mills – Jobber

Establishments engaged as knit outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

3151913 Outerwear Knitting Mills – Contractor

Establishments primarily engaged in manufacturing knit outerwear on materials owned by others (commission basis).

315192 Underwear and Nightwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting underwear and nightwear; (2) knitting fabric and manufacturing underwear and nightwear; or (3) knitting, manufacturing, and finishing knit underwear and nightwear. Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

The data published with NAICS code 315192 include the following SIC industries:

2254 Knit underwear mills

2259 Knitting mills, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315192 do not include knitting mills primarily engaged in the manufacture of bath and lounge robes. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3152 Cut and Sew Apparel Manufacturing

This industry group comprises establishments primarily engaged in manufacturing cut and sew apparel from woven fabric or purchased knit fabric. Included in this industry group is a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel

manufacture; and tailors, manufacturing custom garments for individual clients. Establishments weaving or knitting fabric, without manufacturing apparel, are classified in Subsector 313, Textile Mills.

31521 Cut and Sew Apparel Contractors

This industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for apparel and accessories and/or (2) sewing materials owned by others for apparel and accessories.

315211 Men’s and Boys’ Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for men’s and boys’ apparel and/or (2) sewing materials owned by others for men’s and boys’ apparel.

The data published with NAICS code 315211 include the following SIC industries:

2311 Men’s and boys’ suits and coats (pt)

2321 Shirts, men’s and boys’ (pt)

2322 Men’s and boys’ underwear and nightwear (pt)

2325 Men’s and boys’ trousers and slacks (pt)

2326 Men’s and boys’ work clothing (pt)

2329 Men’s and boys’ clothing, n.e.c. (pt)

2341 Women’s and children’s underwear (pt)

2384 Robes and dressing gowns (pt)

2385 Waterproof outer garments (pt)

2395 Pleating and stitching (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315211 do not include establishments primarily engaged in cut and sew contract work for men’s and boy’s neckwear, hats, shirts, other outerwear, fur goods, dress and work gloves, leather gloves and mittens, leather and sheep-lined clothing, apparel belts, or apparel and accessories, nec. The NAICS definitions will be fully implemented with the 2002 Economic Census.

315212 Women’s, Girls’, and Infants’ Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for women’s, girls’, and infants’ apparel and accessories and/or (2) sewing materials owned by others for women’s, girls’, and infants’ apparel and accessories.

The data published with NAICS code 315212 include the following SIC industries:

- 2331 Women's blouses and waists (pt)
- 2335 Women's dresses (pt)
- 2337 Women's suits and coats (pt)
- 2339 Women's outerwear, n.e.c. (pt)
- 2341 Women's and children's underwear (pt)
- 2342 Brassieres and allied garments (pt)
- 2361 Girls' and children's dresses and blouses (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2384 Robes and dressing gowns (pt)
- 2385 Waterproof outer garments (pt)
- 2389 Apparel and accessories, n.e.c. (pt)
- 2395 Pleating and stitching (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315212 do not include establishments primarily engaged in cut and sew contract work for women's, girls', and infants' hats; fur goods; dress and work gloves; leather gloves and mittens; leather and sheep-lined clothing; or apparel belts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

31522 Men's and Boys' Cut and Sew Apparel Manufacturing

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

315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing

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

The data published with NAICS code 315221 include the following SIC industries:

- 2322 Men's and boys' underwear and nightwear (pt)
- 2341 Women's and children's underwear (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2384 Robes and dressing gowns (pt)

315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing

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

The data published with NAICS code 315222 include the following SIC industries:

- 2311 Men's and boys' suits and coats (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2385 Waterproof outer garments (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315222 do not include establishments primarily engaged in custom tailoring.

3152221 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric.

3152222 - Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing - Jobber

Establishments engaged as men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315223 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except

work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

The data published with NAICS code 315223 include the following SIC industries:

2321 Shirts, men's and boys' (pt)

2361 Girls' and children's dresses and blouses (pt)

3152231 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric.

3152232 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing – Jobber

Establishments engaged as men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing

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

The data published with NAICS code 315224 include the following SIC industries:

2325 Men's and boys' trousers and slacks (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

3152241 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric.

3152242 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing – Jobbers

Establishments engaged as men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing

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

The data published with NAICS code 315225 include the following SIC industry:

2326 Men's and boys' work clothing (pt)

3152251 Men's and Boys' Cut and Sew Work Clothing Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric.

3152252 Men's and Boys' Cut and Sew Work Clothing Manufacturing – Jobbers

Establishments engaged as men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples,

arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweat-pants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

The data published with NAICS code 315228 include the following SIC industries:

2329 Men's and boys' clothing, n.e.c. (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152281 Men's and Boys' Cut and Sew Other Outerwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and working clothing).

3152282 Men's and Boys' Cut and Sew Other Outerwear Manufacturing – Jobbers

Establishments engaged as men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

31523 Women's and Girls' Cut and Sew Apparel Manufacturing

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

315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their

materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

The data published with NAICS code 315231 include the following SIC industries:

2341 Women's and children's underwear (pt)

2342 Brassieres and allied garments (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2384 Robes and dressing gowns (pt)

2389 Apparel and accessories, n.e.c. (pt)

3152311 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric.

3152312 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing – Jobbers

Establishments engaged as women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing

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

The data published with NAICS code 315232 include the following SIC industries:

2331 Women's blouses and waists (pt)

2361 Girls' and children's dresses and blouses (pt)

3152321 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric.

3152322 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing – Jobbers

Establishments engaged as women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315233 Women's and Girls' Cut and Sew Dress Manufacturing

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

The data published with NAICS code 315233 include the following SIC industries:

2335 Women's dresses (pt)

2361 Girls' and children's dresses and blouses (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315233 do not include establishments primarily engaged in custom tailoring.

3152331 Women's and Girls' Cut and Sew Dress Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric.

3152332 Women's and Girls' Cut and Sew Dress Manufacturing – Jobbers

Establishments engaged as women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial

functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

The data published with NAICS code 315234 include the following SIC industries:

2337 Women's suits and coats (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152341 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric.

3152342 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing – Jobbers

Establishments engaged as women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing

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

The data published with NAICS code 315239 include the following SIC industries:

2339 Women's outerwear, n.e.c. (pt)

2369 Girls' and children's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

3152391 Women's and Girls' Cut and Sew Other Outerwear Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts).

3152392 Women's and Girls' Cut and Sew Other Outerwear Manufacturing – Jobbers

Establishments engaged as women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel.

31529 Other Cut and Sew Apparel Manufacturing

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

315291 Infants' Cut and Sew Apparel Manufacturing

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

The data published with NAICS code 315291 include the following SIC industries:

- 2341 Women's and children's underwear (pt)
- 2361 Girls' and children's dresses and blouses (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2385 Waterproof outer garments (pt)

3152911 Infants' Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

3152912 Infants' Cut and Sew Apparel Manufacturing – Jobbers

Establishments engaged as infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 Fur and Leather Apparel Manufacturing

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

The data published with NAICS code 315292 include the following SIC industries:

- 2371 Fur goods
- 2386 Leather and sheep-lined clothing

315299 All Other Cut and Sew Apparel Manufacturing

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

The data published with NAICS code 315299 include the following SIC industries:

- 2329 Men's and boys' clothing, n.e.c. (pt)
- 2339 Women's outerwear, n.e.c. (pt)
- 2389 Apparel and accessories, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315299 do not include establishments primarily engaged in the manufacture of

waterproof rubber and plastic outerwear or rubber pants and raincoats. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3152991 All Other Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3152992 All Other Cut and Sew Apparel Manufacturing – Jobbers

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

3159 Apparel Accessories and Other Apparel Manufacturing

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

31599 Apparel Accessories and Other Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for

apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

315991 Hat, Cap, and Millinery Manufacturing

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

The data published with NAICS code 315991 include the following SIC industry:

2353 Hats, caps, and millinery

315992 Glove and Mitten Manufacturing

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

The data published with NAICS code 315992 include the following SIC industries:

2381 Fabric gloves and mittens

3151 Leather gloves and mittens

315993 Men's and Boys' Neckwear Manufacturing

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

The data published with NAICS code 315993 include the following SIC industry:

2323 Men's and boys' neckwear

315999 Other Apparel Accessories and Other Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and

gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, suspenders, and waterproof outerwear.

The data published with NAICS code 315999 include the following SIC industries:

2339 Women's outerwear, n.e.c. (pt)

2385 Waterproof outer garments (pt)

2387 Apparel belts

2389 Apparel and accessories, n.e.c. (pt)

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

5699 Miscellaneous apparel and accessory stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315999 include establishments primarily engaged in custom tailoring but do not include establishments primarily engaged in the manufacture of rubber bibs, aprons, and bathing caps.

316 Leather and Allied Product Manufacturing

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

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

3161 Leather and Hide Tanning and Finishing

This NAICS industry group includes establishments classified in NAICS Industry 31611, Leather and Hide Tanning and Finishing.

31611 Leather and Hide Tanning and Finishing

This industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

316110 Leather and Hide Tanning and Finishing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

The data published with NAICS code 316110 include the following SIC industries:

3111 Leather tanning and finishing

3999 Manufacturing industries, n.e.c. (pt)

3162 Footwear Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31621, Footwear Manufacturing.

31621 Footwear Manufacturing

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

316211 Rubber and Plastics Footwear Manufacturing

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

The data published with NAICS code 316211 include the following SIC industry:

Rubber and plastics footwear

316212 House Slipper Manufacturing

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

The data published with NAICS code 316212 include the following SIC industry:

3142 House slippers

316213 Men's Footwear (Except Athletic) Manufacturing

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

The data published with NAICS code 316213 include the following SIC industry:

3143 Men's footwear, except athletic

316214 Women's Footwear (Except Athletic) Manufacturing

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

The data published with NAICS code 316214 include the following SIC industry:

3144 Women's footwear, except athletic

316219 Other Footwear Manufacturing

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

The data published with NAICS code 316219 include the following SIC industry:

3149 Footwear, except rubber, n.e.c.

3169 Other Leather and Allied Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31699, Other Leather and Allied Product Manufacturing.

31699 Other Leather and Allied Product Manufacturing

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

316991 Luggage Manufacturing

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

The data published with NAICS code 316991 include the following SIC industry:

3161 Luggage

316992 Women's Handbag and Purse Manufacturing

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

The data published with NAICS code 316992 include the following SIC industry:

3171 Women's handbags and purses

316993 Personal Leather Goods (Except Women's Handbag and Purse) Manufacturing

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

The data published with NAICS code 316993 include the following SIC industry:

3172 Personal leather goods, n.e.c.

316999 All Other Leather Goods Manufacturing

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

The data published with NAICS code 316999 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3199 Leather goods, n.e.c.

321 Wood Product Manufacturing

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

The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 Sawmills and Wood Preservation

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

32111 Sawmills and Wood Preservation

This industry comprises establishments primarily engaged in one or more of the following: (1) sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts; (2) sawing round wood poles, pilings, and posts and treating them with preservatives; and (3) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321113 Sawmills

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

The data published with NAICS code 321113 include the following SIC industries:

- 2421 Sawmills and planing mills, general (pt)
- 2429 Special product sawmills, n.e.c. (pt)
- 2439 Structural wood members, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321113 include establishments primarily engaged in the manufacture of lumber members made from logs and bolts, but do not include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321114 Wood Preservation

This U.S. industry comprises establishments primarily engaged in (1) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives,

such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or (2) sawing round wood poles, pilings, and posts and treating them with preservatives.

The data published with NAICS code 321114 include the following SIC industry:

- 2491 Wood preserving

3212 Veneer, Plywood, and Engineered Wood Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 32121, Veneer, Plywood, and Engineered Wood Product Manufacturing.

32121 Veneer, Plywood, and Engineered Wood Product Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing veneer and/or plywood; (2) manufacturing engineered wood members; and (3) manufacturing reconstituted wood products. This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

321211 Hardwood Veneer and Plywood Manufacturing

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

The data published with NAICS code 321211 include the following SIC industry:

- 2435 Hardwood veneer and plywood

321212 Softwood Veneer and Plywood Manufacturing

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

The data published with NAICS code 321212 include the following SIC industry:

- 2436 Softwood veneer and plywood

321213 Engineered Wood Member (Except Truss) Manufacturing

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

The data published with NAICS code 321213 include the following SIC industry:

- 2439 Structural wood members, n.e.c. (pt)

321214 Truss Manufacturing

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

The data published with NAICS code 321214 include the following SIC industry:

2439 Structural wood members, n.e.c. (pt)

321219 Reconstituted Wood Product Manufacturing

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

The data published with NAICS code 321219 include the following SIC industry:

2493 Reconstituted wood products

3219 Other Wood Product Manufacturing

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

32191 Millwork

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

321911 Wood Window and Door Manufacturing

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

The data published with NAICS code 321911 include the following SIC industry:

2431 Millwork (pt)

321912 Cut Stock, Resawing Lumber, and Planing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dimension lumber from purchased lumber; (2) manufacturing dimension stock (i.e., shapes) or cut stock; (3) resawing the output of sawmills; and (4) planing purchased lumber. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

The data published with NAICS code 321912 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2439 Structural wood members, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321912 include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts, lumber members made from purchased lumber, and semi-machined and fully-machined softwood dimension lumber, but do not include establishments primarily engaged in the manufacture of staves from purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321918 Other Millwork (Including Flooring)

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

The data published with NAICS code 321918 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2431 Millwork (pt)

32192 Wood Container and Pallet Manufacturing

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

321920 Wood Container and Pallet Manufacturing

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

The data published with NAICS code 321920 include the following SIC industries:

2429 Special product sawmills, n.e.c. (pt)

2441 Nailed wood boxes & shoo

2448 Wood pallets and skids

2449 Wood containers, n.e.c.

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321920 include establishments primarily engaged in the manufacture of cooperage headings and staves made of purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

32199 All Other Wood Product Manufacturing

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

321991 Manufactured Home (Mobile Home) Manufacturing

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

The data published with NAICS code 321991 include the following SIC industry:

2451 Mobile homes

321992 Prefabricated Wood Building Manufacturing

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

The data published with NAICS code 321992 include the following SIC industry:

2452 Prefabricated wood buildings

321999 All Other Miscellaneous Wood Product Manufacturing

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

The data published with NAICS code 321999 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2429 Special product sawmills, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

3131 Footwear cut stock and findings (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321999 include establishments primarily engaged in the manufacture of wood cooling towers, but do not include establishments primarily engaged in the manufacture of finished metal moldings for mirrors and pictures, semi-machined and fully-machined softwood dimension, or cooperage headings. The NAICS definitions will be fully implemented with the 2002 Economic Census.

322 Paper Manufacturing

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

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

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

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

The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

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

3221 Pulp, Paper, and Paperboard Mills

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

32211 Pulp Mills

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

322110 Pulp Mills

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

The data published with NAICS code 322110 include the following SIC industry:

2611 Pulp mills

32212 Paper Mills

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

322121 Paper (Except Newsprint) Mills

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

The data published with NAICS code 322121 include the following SIC industries:

2621 Paper mills (pt)

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322121 include paper mills which convert sanitary paper stock into sanitary paper products, but do not include paper mills which are primarily engaged in the manufacture of other converted paper products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221211 Paper (Except Newsprint) Mills – Integrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp in combination with pulp manufacture.

3221212 Paper (Except Newsprint) Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp not in combination with pulp manufacture.

322122 Newsprint Mills

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

The data published with NAICS code 322122 include the following SIC industry:

2621 Paper mills (pt)

3221221 Newsprint Mills – Integrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp in combination with pulp manufacture.

3221222 Newsprint Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp not in combination with pulp manufacture.

32213 Paperboard Mills

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

322130 Paperboard Mills

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

The data published with NAICS code 322130 include the following SIC industry:

2631 Paperboard mills

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322130 do not include paperboard mills primarily engaged in converting paperboard into paperboard products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221301 Paperboard Mills – Integrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp in combination with pulp manufacture.

3221302 Paperboard Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp not in combination with pulp manufacture or paperboard converting.

3222 Converted Paper Product Manufacturing

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

32221 Paperboard Container Manufacturing

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

322211 Corrugated and Solid Fiber Box Manufacturing

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

The data published with NAICS code 322211 include the following SIC industry:

2653 Corrugated and solid fiber boxes

322212 Folding Paperboard Box Manufacturing

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

The data published with NAICS code 322212 include the following SIC industry:

2657 Folding paperboard boxes

322213 Setup Paperboard Box Manufacturing

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

The data published with NAICS code 322213 include the following SIC industry:

2652 Setup paperboard boxes

322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing

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

The data published with NAICS code 322214 include the following SIC industry:

2655 Fiber cans, drums, and similar products

322215 Nonfolding Sanitary Food Container Manufacturing

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

The data published with NAICS code 322215 include the following SIC industry:

2656 Sanitary food containers

32222 Paper Bag and Coated and Treated Paper Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) cutting and coating paper and paperboard; (2) cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film); (3) manufacturing bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film; (4) manufacturing laminated aluminum and other converted metal foils from purchased foils; and (5) surface coating paper or paperboard.

322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with the manufacturing of packaging materials: (1) cutting and coating paper; and (2) cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates). The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322221 include the following SIC industry:

2671 Paper - coated and laminated, packaging (pt)

322222 Coated and Laminated Paper Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging: (1) cutting and coating paper; (2) cutting and laminating paper and other flexible materials (except plastics film to plastics film); and (3) manufacturing converted aluminum and other metal foils for non-packaging uses from purchased foils. The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322222 include the following SIC industries:

2672 Paper - coated and laminated, n.e.c.

2679 Converted paper products, n.e.c. (pt)

322223 Plastics, Foil, and Coated Paper Bag Manufacturing

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

The data published with NAICS code 322223 include the following SIC industry:

2673 Bags - plastics, laminated, and coated (pt)

322224 Uncoated Paper and Multiwall Bag Manufacturing

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

The data published with NAICS code 322224 include the following SIC industry:

2674 Bags - uncoated paper and multiwall

322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses

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

The data published with NAICS code 322225 include the following SIC industry:

3497 Metal foil and leaf (pt)

322226 Surface-Coated Paperboard Manufacturing

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

The data published with NAICS code 322226 include the following SIC industry:

2675 Die-cut paper and board (pt)

32223 Stationery Product Manufacturing

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

322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing

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

The data published with NAICS code 322231 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

322232 Envelope Manufacturing

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

The data published with NAICS code 322232 include the following SIC industry:

2677 Envelopes

322233 Stationery, Tablet, and Related Product Manufacturing

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

The data published with NAICS code 322233 include the following SIC industry:

2678 Stationery products

32229 Other Converted Paper Product Manufacturing

This industry comprises establishments primarily engaged in (1) converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or (2) converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes. Processes used include laminating or lining purchased paper or paperboard.

322291 Sanitary Paper Product Manufacturing

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

The data published with NAICS code 322291 include the following SIC industries:

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

322299 All Other Converted Paper Product Manufacturing

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

The data published with NAICS code 322299 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

323 Printing and Related Support Activities

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

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

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

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

3231 Printing and Related Support Activities

This NAICS industry group includes establishments classified in the following NAICS Industries: 32311, Printing; and 32312, Support Activities for Printing.

32311 Printing

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

323110 Commercial Lithographic Printing

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

The data published with NAICS code 3231 10 include the following SIC industries:

- 2752 Commercial printing, lithographic (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323111 Commercial Gravure Printing

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

The data published with NAICS code 3231 11 include the following SIC industries:

- 2754 Commercial printing, gravure
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323112 Commercial Flexographic Printing

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

The data published with NAICS code 3231 12 include the following SIC industries:

- 2759 Commercial printing, n.e.c. (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323113 Commercial Screen Printing

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

The data published with NAICS code 3231 13 include the following SIC industries:

- 2396 Automotive and apparel trimmings (pt)
- 2759 Commercial printing, n.e.c. (pt)
- 2771 Greeting cards (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

323114 Quick Printing

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

The data published with NAICS code 3231 14 include the following SIC industries:

- 2752 Commercial printing, lithographic (pt)
- 2759 Commercial printing, n.e.c. (pt)

323115 Digital Printing

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

The data published with NAICS code 3231 15 include the following SIC industry:

- 2759 Commercial printing, n.e.c. (pt)

323116 Manifold Business Form Printing

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

The data published with NAICS code 3231 16 include the following SIC industries:

- 2761 Manifold business forms
- 2782 Blankbooks and looseleaf binders (pt)

323117 Book Printing

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

The data published with NAICS code 3231 17 include the following SIC industry:

- 2732 Book printing

323118 Blankbook, Looseleaf Binders, and Devices Manufacturing

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

The data published with NAICS code 323118 include the following SIC industry:

2782 Blankbooks and looseleaf binders (pt)

323119 Other Commercial Printing

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

The data published with NAICS code 323119 include the following SIC industries:

2759 Commercial printing, n.e.c. (pt)

2771 Greeting cards (pt)

3999 Manufacturing industries, n.e.c. (pt)

32312 Support Activities for Printing

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

323121 Tradebinding and Related Work

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tradebinding; (2) sample mounting; and (3) postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

The data published with NAICS code 323121 include the following SIC industry:

2789 Bookbinding and related work

323122 Prepress Services

This U.S. industry comprises (1) establishments primarily engaged in prepress services, such as imagesetting or typesetting, for printers and (2) establishments primarily engaged in preparing film or plates for printing purposes.

The data published with NAICS code 323122 include the following SIC industries:

2791 Typesetting

2796 Platemaking services

324 Petroleum and Coal Products Manufacturing

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is

petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

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

3241 Petroleum and Coal Products Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32411, Petroleum Refineries; 32412, Asphalt Paving, Roofing, and Saturated Materials Manufacturing; and 32419, Other Petroleum and Coal Products Manufacturing.

32411 Petroleum Refineries

This industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities: (1) fractionation; (2) straight distillation of crude oil; and (3) cracking.

324110 Petroleum Refineries

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities: (1) fractionation; (2) straight distillation of crude oil; and (3) cracking.

The data published with NAICS code 324110 include the following SIC industry:

2911 Petroleum refining

32412 Asphalt Paving, Roofing, and Saturated Materials Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or (2) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

32412 Asphalt Paving, Roofing, and Saturated Materials Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing asphalt and tar paving mixtures and blocks and roofing cements and coatings from purchased asphaltic materials and/or (2) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials.

324121 Asphalt Paving Mixture and Block Manufacturing

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

The data published with NAICS code 324121 include the following SIC industry:

2951 Asphalt paving mixtures and blocks

324122 Asphalt Shingle and Coating Materials Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and (2) manufacturing asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

The data published with NAICS code 324122 include the following SIC industry:

2952 Asphalt felts and coatings

32419 Other Petroleum and Coal Products Manufacturing

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

324191 Petroleum Lubricating Oil and Grease Manufacturing

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

The data published with NAICS code 324191 include the following SIC industry:

2992 Lubricating oils and greases

324199 All Other Petroleum and Coal Products Manufacturing

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

The data published with NAICS code 324199 include the following SIC industries:

2999 Petroleum and coal products, n.e.c.

3312 Blast furnaces and steel mills (pt)

325 Chemical Manufacturing

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

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

3251 Basic Chemical Manufacturing

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

32511 Petrochemical Manufacturing

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

325110 Petrochemical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or (2) manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

The data published with NAICS code 325110 include the following SIC industries:

2865 Cyclic crudes and intermediates (pt)

2869 Industrial organic chemicals, n.e.c. (pt)

32512 Industrial Gas Manufacturing

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

325120 Industrial Gas Manufacturing

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

The data published with NAICS code 325120 include the following SIC industries:

2813 Industrial gases

2869 Industrial organic chemicals, n.e.c. (pt)

32513 Synthetic Dye and Pigment Manufacturing

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

325131 Inorganic Dye and Pigment Manufacturing

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

The data published with NAICS code 325131 include the following SIC industries:

2816 Inorganic pigments (pt)

2819 Industrial inorganic chemicals, n.e.c. (pt)

325132 Synthetic Organic Dye and Pigment Manufacturing

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

The data published with NAICS code 325132 include the following SIC industry:

2865 Cyclic crudes and intermediates (pt)

32518 Other Basic Inorganic Chemical Manufacturing

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

325181 Alkalies and Chlorine Manufacturing

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

The data published with NAICS code 325181 include the following SIC industry:

2812 Alkalies and chlorine

325182 Carbon Black Manufacturing

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

The data published with NAICS code 325182 include the following SIC industries:

2816 Inorganic pigments (pt)

2895 Carbon black

325188 All Other Basic Inorganic Chemical Manufacturing

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

The data published with NAICS code 325188 include the following SIC industries:

2819 Industrial inorganic chemicals, n.e.c. (pt)

2869 Industrial organic chemicals, n.e.c. (pt)

32519 Other Basic Organic Chemical Manufacturing

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

325191 Gum and Wood Chemical Manufacturing

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

The data published with NAICS code 325191 include the following SIC industry:

2861 Gum and wood chemicals

325192 Cyclic Crude and Intermediate Manufacturing

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

The data published with NAICS code 325192 include the following SIC industry:

2865 Cyclic crudes and intermediates (pt)

325193 Ethyl Alcohol Manufacturing

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

The data published with NAICS code 325193 include the following SIC industry:

2869 Industrial organic chemicals, n.e.c. (pt)

325199 All Other Basic Organic Chemical Manufacturing

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

The data published with NAICS code 325199 include the following SIC industries:

2869 Industrial organic chemicals, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

3252 Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing

32521 Resin and Synthetic Rubber Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers and mixing and blending resins on a custom basis; (2) manufacturing noncustomized synthetic resins; and (3) manufacturing synthetic rubber.

325211 Plastics Material and Resin Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or (2) manufacturing noncustomized synthetic resins.

The data published with NAICS code 325211 include the following SIC industry:

2821 Plastics materials and resins

325212 Synthetic Rubber Manufacturing

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

The data published with NAICS code 325212 include the following SIC industry:

2822 Synthetic rubber

32522 Artificial and Synthetic Fibers and Filaments Manufacturing

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

325221 Cellulosic Organic Fiber Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing cellulosic fibers and filaments.

The data published with NAICS code 325221 include the following SIC industry:

2823 Cellulosic manmade fibers

325222 Noncellulosic Organic Fiber Manufacturing

This U.S. industry consists of establishments primarily engaged in (1) manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing noncellulosic fibers and filaments.

The data published with NAICS code 325222 include the following SIC industry:

2824 Organic fibers, noncellulosic

3253 Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32531, Fertilizer Manufacturing; and 32532, Pesticide and Other Agricultural Chemical Manufacturing.

32531 Fertilizer Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous or phosphatic fertilizer materials; (2) manufacturing fertilizers from sewage or animal waste; (3) manufacturing nitrogenous or phosphatic materials and mixing with other ingredients into fertilizers; and (4) mixing ingredients made elsewhere into fertilizers.

325311 Nitrogenous Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous fertilizer materials and mixing ingredients

into fertilizers; (2) manufacturing fertilizers from sewage or animal waste; and (3) manufacturing nitrogenous materials and mixing them into fertilizers.

The data published with NAICS code 325311 include the following SIC industry:

2873 Nitrogenous fertilizers

325312 Phosphatic Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing phosphatic fertilizer materials or (2) manufacturing phosphatic materials and mixing them into fertilizers.

The data published with NAICS code 325312 include the following SIC industry:

2874 Phosphatic fertilizers

325314 Fertilizer (Mixing Only) Manufacturing

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

The data published with NAICS code 325314 include the following SIC industry:

2875 Fertilizers, mixing only

32532 Pesticide and Other Agricultural Chemical Manufacturing

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

325320 Pesticide and Other Agricultural Chemical Manufacturing

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

The data published with NAICS code 325320 include the following SIC industry:

2879 Agricultural chemicals, n.e.c.

3254 Pharmaceutical and Medicine Manufacturing

This NAICS industry group includes establishments classified in Industry 32541, Pharmaceutical and Medicine Manufacturing.

32541 Pharmaceutical and Medicine Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing biological and medicinal products; (2) processing (i.e., grading, grinding, and milling) botanical drugs and herbs; (3) isolating active medicinal principals from botanical drugs and herbs; and (4) manufacturing pharmaceutical

products intended for internal and external consumption in such forms as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325411 Medicinal and Botanical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or (2) grading, grinding, and milling uncompounded botanicals.

The data published with NAICS code 325411 include the following SIC industry:

2833 Medicinals and botanicals

325412 Pharmaceutical Preparation Manufacturing

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

The data published with NAICS code 325412 include the following SIC industries:

2834 Pharmaceutical preparations

2835 Diagnostic substances (pt)

325413 In-Vitro Diagnostic Substance Manufacturing

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

The data published with NAICS code 325413 include the following SIC industry:

2835 Diagnostic substances (pt)

325414 Biological Product (Except Diagnostic) Manufacturing

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

The data published with NAICS code 325414 include the following SIC industry:

2836 Biological products, except diagnostic

3255 Paint, Coating, and Adhesive Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32551, Paint and Coating Manufacturing; and 32552, Adhesive Manufacturing.

32551 Paint and Coating Manufacturing

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

325510 Paint and Coating Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or (2) manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

The data published with NAICS code 325510 include the following SIC industries:

2851 Paints and allied products

2899 Chemical preparations, n.e.c. (pt)

32552 Adhesive Manufacturing

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

325520 Adhesive Manufacturing

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

The data published with NAICS code 325520 include the following SIC industry:

2891 Adhesives and sealants

3256 Soap, Cleaning Compound, and Toilet Preparation Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32561, Soap and Cleaning Compound Manufacturing; and 32562, Toilet Preparation Manufacturing.

32561 Soap and Cleaning Compound Manufacturing

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

325611 Soap and Other Detergent Manufacturing

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

The data published with NAICS code 325611 include the following SIC industries:

2841 Soap and other detergents

2844 Toilet preparations (pt)

325612 Polish and Other Sanitation Good Manufacturing

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

The data published with NAICS code 325612 include the following SIC industry:

2842 Polishes and sanitation goods

325613 Surface Active Agent Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or (2) manufacturing textiles and leather finishing agents used to reduce tension or speed the drying process.

The data published with NAICS code 325613 include the following SIC industry:

2843 Surface active agents

32562 Toilet Preparation Manufacturing

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

325620 Toilet Preparation Manufacturing

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

The data published with NAICS code 325620 include the following SIC industry:

2844 Toilet preparations (pt)

3259 Other Chemical Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and

noncellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

32591 Printing Ink Manufacturing

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

325910 Printing Ink Manufacturing

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

The data published with NAICS code 325910 include the following SIC industry:

2893 Printing ink

32592 Explosives Manufacturing

This industry comprises establishments primarily engaged in manufacturing explosives.

325920 Explosives Manufacturing

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

The data published with NAICS code 325920 include the following SIC industry:

2892 Explosives

32599 All Other Chemical Product and Preparation Manufacturing

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

325991 Custom Compounding of Purchased Resins

This U.S. industry comprises establishments primarily engaged in (1) custom mixing and blending plastics resins made elsewhere or (2) reformulating plastics resins from recycled plastics products.

The data published with NAICS code 325991 include the following SIC industries:

3087 Custom compound purchased resins

325992 Photographic Film, Paper, Plate, and Chemical Manufacturing

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

The data published with NAICS code 325992 include the following SIC industry:

3861 Photographic equipment and supplies (pt)

325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing

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

The data published with NAICS code 325998 include the following SIC industries:

2819 Industrial inorganic chemicals, n.e.c. (pt)

2899 Chemical preparations, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 325998 do not include establishments primarily engaged in aerosol packaging. The NAICS definitions will be fully implemented with the 2002 Economic Census.

326 Plastics and Rubber Products Manufacturing

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

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products

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

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

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

3261 Plastics Product Manufacturing

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

32611 Unsupported Plastics Film, Sheet, and Bag Manufacturing

This industry comprises establishments primarily engaged in (1) converting plastics resins into unsupported plastics film and sheet and/or (2) forming, coating, or laminating plastics film and sheet into plastics bags.

326111 Unsupported Plastics Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) converting plastics resins into plastics bags or (2) forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags. Establishments in this industry may print on the bags they manufacture.

The data published with NAICS code 326111 include the following SIC industry:

2673 Bags - plastics, laminated, and coated (pt)

326112 Unsupported Plastics Packaging Film and Sheet Manufacturing

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

The data published with NAICS code 326112 include the following SIC industry:

2671 Paper - coated and laminated, packaging (pt)

326113 Unsupported Plastics Film and Sheet (Except Packaging) Manufacturing

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

The data published with NAICS code 326113 include the following SIC industry:

3081 Unsupported plastics film and sheet

32612 Plastics Pipe, Pipe Fitting, and Unsupported Profile Shape Manufacturing

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

326121 Unsupported Plastics Profile Shapes Manufacturing

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

The data published with NAICS code 326121 include the following SIC industry:

3082 Unsupported plastics profile shapes

326122 Plastics Pipe and Pipe Fitting Manufacturing

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

The data published with NAICS code 326122 include the following SIC industries:

3084 Plastics pipe

3089 Plastics products, n.e.c. (pt)

32613 Laminated Plastics Plate, Sheet, and Shape Manufacturing

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

326130 Laminated Plastics Plate, Sheet, and Shape Manufacturing

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

The data published with NAICS code 326130 include the following SIC industry:

3083 Laminated plastics plate and sheet

32614 Polystyrene Foam Product Manufacturing

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

326140 Polystyrene Foam Product Manufacturing

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

The data published with NAICS code 326140 include the following SIC industry:

3086 Plastics foam products (pt)

32615 Urethane and Other Foam Product (Except Polystyrene) Manufacturing

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

326150 Urethane and Other Foam Product (Except Polystyrene) Manufacturing

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

The data published with NAICS code 326150 include the following SIC industry:

3086 Plastics foam products (pt)

32616 Plastics Bottle Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics bottles.

326160 Plastics Bottle Manufacturing

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

The data published with NAICS code 326160 include the following SIC industry:

3085 Plastics bottles

32619 Other Plastics Product Manufacturing

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

326191 Plastics Plumbing Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

The data published with NAICS code 326191 include the following SIC industry:

3088 Plastics plumbing fixtures

326192 Resilient Floor Covering Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

The data published with NAICS code 326192 include the following SIC industries:

3069 Fabricated rubber products, n.e.c. (pt)

3996 Hard surface floor coverings

326199 All Other Plastics Product Manufacturing

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

The data published with NAICS code 326199 include the following SIC industries:

3089 Plastics products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 326199 include establishments primarily engaged in the manufacture of plastic furniture parts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3262 Rubber Product Manufacturing

This industry group comprises establishments primarily engaged in processing natural and synthetic or reclaimed rubber materials into intermediate or final products using processes such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

32621 Tire Manufacturing

This industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber and retreading or rebuilding tires.

326211 Tire Manufacturing (Except Retreading)

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

The data published with NAICS code 326211 include the following SIC industry:

3011 Tires and inner tubes

326212 Tire Retreading

This U.S. industry comprises establishments primarily engaged in retreading, or rebuilding tires.

The data published with NAICS code 326212 include the following SIC industry:

7534 Tire retreading and repair shops (pt)

32622 Rubber and Plastics Hoses and Belting Manufacturing

This industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

326220 Rubber and Plastics Hoses and Belting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

The data published with NAICS code 326220 include the following SIC industry:

3052 Rubber and plastics hose and belting

32629 Other Rubber Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing rubber products (except tires, hoses, and belting) from natural and synthetic rubber.

326291 Rubber Product Manufacturing for Mechanical Use

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

The data published with NAICS code 326291 include the following SIC industry:

3061 Mechanical rubber goods

326299 All Other Rubber Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

The data published with NAICS code 326299 include the following SIC industry:

3069 Fabricated rubber products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 326299 include establishments primarily engaged in the manufacture of rubber products including gloves, toys, pants, raincoats, bibs, aprons, bathing caps, life jackets, and wet suits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327 Nonmetallic Mineral Product Manufacturing

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications.

The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further

process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily benefit mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 Clay Product and Refractory Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32711, Pottery, Ceramics, and Plumbing Fixture Manufacturing; and 32712, Clay Building Material and Refractories Manufacturing.

32711 Pottery, Ceramics, and Plumbing Fixture Manufacturing

This industry comprises establishments primarily engaged in shaping, molding, glazing, and firing pottery, ceramics, and plumbing fixtures made entirely or partly of clay or other ceramic materials.

327111 Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

The data published with NAICS code 327111 include the following SIC industry:

3261 Vitreous plumbing fixtures

327112 Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

The data published with NAICS code 327112 include the following SIC industries:

3262 Vitreous china table and kitchen articles

3263 Fine earthenware table and kitchen articles

3269 Pottery products, n.e.c.

3299 Nonmetallic mineral products, n.e.c. (pt)

327113 Porcelain Electrical Supply Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

The data published with NAICS code 327113 include the following SIC industry:

3264 Porcelain electrical supplies

32712 Clay Building Material and Refractories Manufacturing

This industry comprises establishments primarily engaged in shaping, molding, baking, burning, or hardening clay refractories, nonclay refractories, ceramic tile, structural clay tile, brick, and other structural clay building materials.

327121 Brick and Structural Clay Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

The data published with NAICS code 327121 include the following SIC industry:

3251 Brick and structural clay tile

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 327121 include establishments primarily engaged in the manufacture of slumped brick. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327122 Ceramic Wall and Floor Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

The data published with NAICS code 327122 include the following SIC industry:

3253 Ceramic wall and floor tile

327123 Other Structural Clay Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

The data published with NAICS code 327123 include the following SIC industry:

3259 Structural clay products, n.e.c.

327124 Clay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

The data published with NAICS code 327124 include the following SIC industry:

3255 Clay refractories

327125 Nonclay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

The data published with NAICS code 327125 include the following SIC industry:

3297 Nonclay refractories

3272 Glass and Glass Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 32721, Glass and Glass Product Manufacturing.

32721 Glass and Glass Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing glass and/or glass products. Establishments in this industry may manufacture glass and/or glass products by melting silica sand or cullet, or purchasing glass.

327211 Flat Glass Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing flat glass by melting silica sand or cullet or (2) manufacturing both flat glass and laminated glass by melting silica sand or cullet.

The data published with NAICS code 327211 include the following SIC industry:

3211 Flat glass

327212 Other Pressed and Blown Glass and Glassware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

The data published with NAICS code 327212 include the following SIC industry:

3229 Pressed and blown glass, n.e.c.

327213 Glass Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

The data published with NAICS code 327213 include the following SIC industry:

3221 Glass containers

327215 Glass Product Manufacturing Made of Purchased Glass

This U.S. industry comprises establishments primarily engaged in remelting, pressing, blowing, or shaping purchased glass.

The data published with NAICS code 327215 include the following SIC industry:

3231 Products of purchased glass

3273 Cement and Concrete Product Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32731, Cement Manufacturing; 32732, Ready-Mix Concrete Manufacturing; 32733, Concrete Pipe, Brick, and Block Manufacturing; and 32739, Other Concrete Product Manufacturing.

32731 Cement Manufacturing

This industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

327310 Cement Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

The data published with NAICS code 327310 include the following SIC industry:

3241 Cement, hydraulic

32732 Ready-Mix Concrete Manufacturing

This industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

327320 Ready-Mix Concrete Manufacturing

This U.S. industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

The data published with NAICS code 327320 include the following SIC industry:

3273 Ready-mixed concrete

32733 Concrete Pipe, Brick, and Block Manufacturing

This industry comprises establishments primarily engaged in manufacturing concrete pipe, brick, and block

327331 Concrete Block and Brick Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

The data published with NAICS code 327331 include the following SIC industry:

3271 Concrete brick and block

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 327331 do not include establishments primarily engaged in the manufacture of slumped brick. The NAICS definitions will be fully implemented with the 2002 Economic Census.

327332 Concrete Pipe Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

The data published with NAICS code 327332 include the following SIC industry:

3272 Concrete products, n.e.c. (pt)

32739 Other Concrete Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

327390 Other Concrete Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

The data published with NAICS code 327390 include the following SIC industry:

3272 Concrete products, n.e.c. (pt)

3274 Lime and Gypsum Product Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 32741, Lime Manufacturing; and 32742, Gypsum Product Manufacturing.

32741 Lime Manufacturing

This industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

327410 Lime Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

The data published with NAICS code 327410 include the following SIC industry:

3274 Lime

32742 Gypsum Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing gypsum products such as wall-board, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

327420 Gypsum Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products, such as wall-board, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

The data published with NAICS code 327420 include the following SIC industries:

3275 Gypsum products

3299 Nonmetallic mineral products, n.e.c. (pt)

3279 Other Nonmetallic Mineral Product Manufacturing

The Other Nonmetallic Mineral Product Manufacturing industry group comprises establishments manufacturing nonmetallic mineral products (except clay products, refractory products, glass products, cement and concrete products, lime, and gypsum products).

32791 Abrasive Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products

327910 Abrasive Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

The data published with NAICS code 327910 include the following SIC industry:

3291 Abrasive products (pt)

32799 All Other Nonmetallic Mineral Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; and abrasive products).

327991 Cut Stone and Stone Product Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

The data published with NAICS code 327991 include the following SIC industry:

3281 Cut stone and stone products

327992 Ground or Treated Mineral and Earth Manufacturing

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

The data published with NAICS code 327992 include the following SIC industry:

3295 Minerals, ground or treated

327993 Mineral Wool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

The data published with NAICS code 327993 include the following SIC industry:

3296 Mineral wool

327999 All Other Miscellaneous Nonmetallic Mineral Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

The data published with NAICS code 327999 include the following SIC industries:

3272 Concrete products, n.e.c. (pt)

3292 Asbestos products (pt)

3299 Nonmetallic mineral products, n.e.c. (pt)

331 Primary Metal Manufacturing

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

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

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

3311 Iron and Steel Mills and Ferroalloy Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33111, Iron and Steel Mills and Ferroalloy Manufacturing.

33111 Iron and Steel Mills and Ferroalloy Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) direct reduction of iron ore; (2) manufacturing pig iron in molten or solid form; (3) converting pig iron into steel; (4) manufacturing ferroalloys; (5) making steel; (6) making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and (7) making steel and forming pipe and tube.

331111 Iron and Steel Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) direct reduction of iron ore; (2) manufacturing pig iron in molten or solid form; (3) converting pig iron into steel; (4) making steel; (5) making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and (6) making steel and forming tube and pipe.

The data published with NAICS code 331111 include the following SIC industries:

3312 Blast furnaces and steel mills (pt)

3399 Primary metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331111 include establishments primarily engaged in the manufacture of ferrous metal powder, paste, and flake. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3311111 Iron and Steel Mills – Fully Integrated

Establishments primarily engaged in smelting iron ore in a blast furnace to produce pig iron in molten or solid form; then converting pig iron into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire.

3311112 Iron and Steel Mills – Partially Integrated With a Blast Furnace

Establishments primarily engaged in smelting iron ore in a blast furnace to produce pig iron in molten or solid form; then converting pig iron into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing ingots and/or semifinished shapes, such as blooms, billets, and rods.

3311113 Iron and Steel Mills – Partially Integrated Without a Blast Furnace

Establishments primarily engaged in converting pig iron, direct reduced iron, and/or scrap into steel by removal of the carbon in the iron through combustion in a basic oxygen or electric furnace; then producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire.

3311114 Iron and Steel Mills – Nonintegrated

Establishments primarily engaged in producing iron and steel basic shapes, such as plates, sheets, strips, and bars, and other related products, such as pipes, tubes, and wire from purchased ingots and/or semifinished shapes, such as blooms, billets, and rods.

331112 Electrometallurgical Ferroalloy Product Manufacturing

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

The data published with NAICS code 331112 include the following SIC industry:

3313 Electrometallurgical products (pt)

3312 Steel Product Manufacturing From Purchased Steel

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

33121 Iron and Steel Pipes and Tubes Manufacturing From Purchased Steel

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

331210 Iron and Steel Pipes and Tubes Manufacturing From Purchased Steel

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

The data published with NAICS code 331210 include the following SIC industry:

3317 Steel pipe and tubes

33122 Rolling and Drawing of Purchased Steel

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

331221 Rolled Steel Shape Manufacturing

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

The data published with NAICS code 331221 include the following SIC industry:

3316 Cold finishing of steel shapes

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331221 do not include establishments primarily engaged in making coke oven and blast furnace products; in making steel and rolling or drawing steel shapes; or in the making of ferrous metal powder, paste, and flake. The NAICS definitions will be fully implemented with the 2002 Economic Census.

331222 Steel Wire Drawing

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

The data published with NAICS code 331222 include the following SIC industry:

3315 Steel wire and related products (pt)

3313 Alumina and Aluminum Production and Processing

This NAICS industry group includes establishments classified in NAICS Industry 33131, Alumina and Aluminum Production and Processing.

33131 Alumina and Aluminum Production and Processing

This industry comprises establishments primarily engaged in one or more of the following: (1) refining alumina; (2) making (i.e., the primary production) aluminum from alumina; (3) recovering aluminum from scrap or dross; (4) alloying purchased aluminum; and (5) manufacturing aluminum primary forms (e.g., bar, foil, pipe, plate, rod, sheet, tube, wire).

331311 Alumina Refining

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

The data published with NAICS code 331311 include the following SIC industry:

2819 Industrial inorganic chemicals, n.e.c. (pt)

331312 Primary Aluminum Production

This U.S. industry comprises establishments primarily engaged in (1) making aluminum from alumina and/or (2) making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, strip). Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

The data published with NAICS code 331312 include the following SIC industry:

3334 Primary aluminum

331314 Secondary Smelting and Alloying of Aluminum

This U.S. industry comprises establishments primarily engaged in (1) recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or (2) manufacturing alloys, powder, paste, or flake from purchased aluminum.

The data published with NAICS code 331314 include the following SIC industries:

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

331315 Aluminum Sheet, Plate, and Foil Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) flat rolling or continuous casting sheet, plate, foil, and welded tube from purchased aluminum and/or (2) recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

The data published with NAICS code 331315 include the following SIC industry:

3353 Aluminum sheet, plate, and foil (pt)

331316 Aluminum Extruded Product Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum; and/or (2) recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

The data published with NAICS code 331316 include the following SIC industry:

3354 Aluminum extruded products

331319 Other Aluminum Rolling and Drawing

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

The data published with NAICS code 331319 include the following SIC industries:

3355 Aluminum rolling and drawing, n.e.c.

3357 Nonferrous wire drawing and insulating (pt)

3314 Nonferrous Metal (Except Aluminum) Production and Processing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33141, Nonferrous Metal (Except Aluminum) Smelting and Refining; 33142, Copper Rolling, Drawing, Extruding, and Alloying; and 33149, Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying.

33141 Nonferrous Metal (Except Aluminum) Smelting and Refining

This industry comprises establishments primarily engaged in (1) smelting ores into nonferrous metals and/or (2) the primary refining of nonferrous metals (except aluminum) using electrolytic or other processes.

331411 Primary Smelting and Refining of Copper

This U.S. industry comprises establishments primarily engaged in (1) smelting copper ore and/or (2) the primary refining of copper by electrolytic methods or other processes. Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

The data published with NAICS code 331411 include the following SIC industry:

3331 Primary copper

331419 Primary Smelting and Refining of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) making (i.e., the primary production) nonferrous metals by smelting ore and/or (2) the primary refining of nonferrous metals by electrolytic methods or other processes.

The data published with NAICS code 331419 include the following SIC industry:

3339 Primary nonferrous metals, n.e.c.

33142 Copper Rolling, Drawing, Extruding, and Alloying

This industry comprises establishments primarily engaged in one or more of the following: (1) recovering copper or copper alloys from scraps; (2) alloying purchased copper; (3) rolling, drawing, or extruding shapes, (e.g., bar, plate, sheet, strip, tube, and wire) from purchased copper; and (4) recovering copper or copper alloys from scrap and rolling drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube, and wire).

331421 Copper Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire)) from purchased copper; and/or (2) recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire in integrated mills)).

The data published with NAICS code 331421 include the following SIC industry:

3351 Copper rolling and drawing

331422 Copper Wire (Except Mechanical) Drawing

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

The data published with NAICS code 331422 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

331423 Secondary Smelting, Refining, and Alloying of Copper

This U.S. industry comprises establishments primarily engaged in (1) recovering copper and copper alloys from scrap and/or (2) alloying purchased copper. Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

The data published with NAICS code 331423 include the following SIC industries:

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

33149 Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying

This industry comprises establishments primarily engaged in one or more of the following: (1) recovering nonferrous metals (except copper and aluminum) and nonferrous metal alloys from scrap; (2) alloying purchased

nonferrous metals (except copper and aluminum); (3) rolling, drawing, and extruding shapes from purchased nonferrous metals (except copper and aluminum); and (4) recovering nonferrous metals from scrap (except copper and aluminum) and rolling, drawing, or extruding shapes in integrated facilities.

331491 Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube) from purchased nonferrous metals) and/or (2) recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube) in integrated mills.

The data published with NAICS code 331491 include the following SIC industries:

3356 Nonferrous rolling and drawing, n.e.c.

3357 Nonferrous wire drawing and insulating (pt)

331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) alloying purchased nonferrous metals and/or (2) recovering nonferrous metals from scrap. Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, wire) using smelting or refining processes.

The data published with NAICS code 331492 include the following SIC industries:

3313 Electrometallurgical products (pt)

3341 Secondary nonferrous metals (pt)

3399 Primary metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 331492 include establishments primarily engaged in the manufacture of other nonferrous additive alloys. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3315 Foundries

This industry group comprises establishments primarily engaged in pouring molten metal into molds or dies to form castings. Establishments making castings and further manufacturing, such as machining or assembling, a specific manufactured product are classified in the industry of the finished product. Foundries may perform operations, such as cleaning and deburring, on the castings they manufacture. More involved processes, such as tapping,

threading, milling, or machining to tight tolerances, that transform castings into more finished products are classified elsewhere in the manufacturing sector based on the product being made.

Establishments in this industry group make castings from purchased metals or in integrated secondary smelting and casting facilities. When the production of primary metals is combined with making castings, the establishment is classified in 331 with the primary metal being made.

33151 Ferrous Metal Foundries

This industry comprises establishments primarily engaged in pouring molten iron and steel into molds of a desired shape to make castings. Establishments in this industry purchase iron and steel made in other establishments.

331511 Iron Foundries

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

The data published with NAICS code 331511 include the following SIC industries:

3321 Gray iron foundries

3322 Malleable iron foundries

331512 Steel Investment Foundries

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

The data published with NAICS code 331512 include the following SIC industry:

3324 Steel investment foundries

331513 Steel Foundries (Except Investment)

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

The data published with NAICS code 331513 include the following SIC industry:

3325 Steel foundries, n.e.c.

33152 Nonferrous Metal Foundries

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

331521 Aluminum Die-Casting Foundries

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

The data published with NAICS code 331521 include the following SIC industry:

3363 Aluminum die-castings

331522 Nonferrous (Except Aluminum) Die-Casting Foundries

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

The data published with NAICS code 331522 include the following SIC industry:

3364 Nonferrous die-casting, except aluminum

331524 Aluminum Foundries (Except Die-Casting)

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

The data published with NAICS code 331524 include the following SIC industry:

3365 Aluminum foundries

331525 Copper Foundries (Except Die-Casting)

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

The data published with NAICS code 331525 include the following SIC industry:

3366 Copper foundries

331528 Other Nonferrous Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten nonferrous metals (except aluminum and copper) into molds to manufacture nonferrous castings (except aluminum die-castings, nonferrous

(except aluminum) die-castings, aluminum castings, and copper castings). Establishments in this industry purchase nonferrous metals, such as nickel, lead, and zinc, made in other establishments.

The data published with NAICS code 331528 include the following SIC industry:

3369 Nonferrous foundries, n.e.c.

332 Fabricated Metal Product Manufacturing

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The NAICS structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

3321 Forging and Stamping

This NAICS industry group includes establishments classified in NAICS Industry 33211, Forging and Stamping.

33211 Forging and Stamping

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing forgings from purchased metals; (2) manufacturing metal custom roll forming products; (3) manufacturing metal stamped and spun products (except automotive, cans, coins); and (4) manufacturing powder metallurgy products. Establishments making metal forgings, metal stampings, and metal spun products and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished

product. Metal forging, metal stamping, and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

332111 Iron and Steel Forging

This U.S. industry comprises establishments primarily engaged in manufacturing iron and steel forgings from purchased iron and steel by hammering mill shapes. Establishments making iron and steel forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Iron and steel forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

The data published with NAICS code 332111 include the following SIC industry:

3462 Iron and steel forgings

332112 Nonferrous Forging

This U.S. industry comprises establishments primarily engaged in manufacturing nonferrous forgings from purchased nonferrous metals by hammering mill shapes. Establishments making nonferrous forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Nonferrous forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

The data published with NAICS code 332112 include the following SIC industry:

3463 Nonferrous forgings

332114 Custom Roll Forming

This U.S. industry comprises establishments primarily engaged in custom roll forming metal products by use of rotary motion of rolls with various contours to bend or shape the products.

The data published with NAICS code 332114 include the following SIC industry:

3449 Miscellaneous metal work (pt)

332115 Crown and Closure Manufacturing

This U.S. industry comprises establishments primarily engaged in stamping metal crowns and closures, such as bottle caps and home canning lids and rings.

The data published with NAICS code 332115 include the following SIC industry:

3466 Crowns and closures

332116 Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing unfinished metal stampings and spinning unfinished metal products (except crowns, cans, closures, automotive, and coins). Establishments making metal stampings and metal spun products and further manufacturing (e.g., machining, assembling) a specific product are classified in the industry of the finished product. Metal stamping and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

The data published with NAICS code 332116 include the following SIC industry:

3469 Metal stampings, n.e.c. (pt)

332117 Powder Metallurgy Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powder metallurgy products by compacting them in a shaped die and sintering. Establishments in this industry generally make a wide range of parts on a job or order basis.

The data published with NAICS code 332117 include the following SIC industry:

3499 Fabricated metal products, n.e.c. (pt)

3322 Cutlery and Handtool Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33221, Cutlery and Handtool Manufacturing.

33221 Cutlery and Handtool Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nonprecious and precious plated metal cutlery and flatware; (2) manufacturing nonpowered hand and edge tools; (3) manufacturing nonpowered handsaws; (4) manufacturing saw blades, all types (including those for sawing machines); and (5) manufacturing metal kitchen utensils (except cutting-type) and pots and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

332211 Cutlery and Flatware (Except Precious) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

The data published with NAICS code 332211 include the following SIC industries:

3421 Cutlery

3914 Silverware and plated ware (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census–Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332211 do not include establishments primarily engaged in the manufacture of hand-operated clippers for human hair. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332212 Hand and Edge Tool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

The data published with NAICS code 332212 include the following SIC industries:

- 3423 Hand and edge tools, n.e.c.
- 3523 Farm machinery and equipment (pt)
- 3524 Lawn and garden equipment (pt)
- 3545 Machine tool accessories (pt)
- 3699 Electrical equipment and supplies, n.e.c. (pt)
- 3799 Transportation equipment, n.e.c. (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332212 include establishments primarily engaged in the manufacture of wheelbarrows or quality control laser equipment but do not include establishments primarily engaged in the manufacture of tool-type shears or fish wire, an electrical wiring tool. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332213 Saw Blade and Handsaw Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing nonpowered handsaws and/or (2) manufacturing saw blades, all types (including those for power sawing machines).

The data published with NAICS code 332213 include the following SIC industry:

- 3425 Saw blades and handsaws

332214 Kitchen Utensil, Pot, and Pan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

The data published with NAICS code 332214 include the following SIC industry:

- 3469 Metal stampings, n.e.c. (pt)

3323 Architectural and Structural Metals Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33231, Plate Work and Fabricated Structural Product Manufacturing; and 33232, Ornamental and Architectural Metal Products Manufacturing.

33231 Plate Work and Fabricated Structural Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) prefabricated metal buildings, panels, and sections; (2) structural metal products; and (3) metal plate work products.

332311 Prefabricated Metal Building and Component Manufacturing

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

The data published with NAICS code 332311 include the following SIC industry:

- 3448 Prefabricated metal buildings

332312 Fabricated Structural Metal Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

The data published with NAICS code 332312 include the following SIC industries:

- 3441 Fabricated structural metal
- 3449 Miscellaneous metal work (pt)

332313 Plate Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

The data published with NAICS code 332313 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33232 Ornamental and Architectural Metal Products Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) metal framed windows (i.e., typically using purchased glass) and metal doors; (2) sheet metal work; and (3) ornamental and architectural metal products.

332321 Metal Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (i.e., typically using purchased glass) and metal doors. Examples of products made by these establishments are metal door frames; metal framed window and door screens; metal molding and trim (except automotive); and metal curtain walls.

The data published with NAICS code 332321 include the following SIC industries:

- 2499 Wood products, n.e.c. (pt)
- 3442 Metal doors, sash, and trim
- 3449 Miscellaneous metal work (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332321 include establishments primarily engaged in the manufacture of metal finished moldings for mirrors and pictures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332322 Sheet Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

The data published with NAICS code 332322 include the following SIC industry:

- 3444 Sheet metal work (pt)

332323 Ornamental and Architectural Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

The data published with NAICS code 332323 include the following SIC industries:

- 3446 Architectural metal work
- 3449 Miscellaneous metal work (pt)
- 3523 Farm machinery and equipment (pt)

3324 Boiler, Tank, and Shipping Container Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33241, Power Boiler and Heat Exchanger Manufacturing; 33242, Metal Tank (Heavy Gauge) Manufacturing; and 33243, Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing.

33241 Power Boiler and Heat Exchanger Manufacturing

This industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

332410 Power Boiler and Heat Exchanger Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

The data published with NAICS code 332410 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332410 do not include establishments primarily engaged in the manufacture of nuclear control drive mechanisms. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33242 Metal Tank (Heavy Gauge) Manufacturing

This industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

332420 Metal Tank (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

The data published with NAICS code 332420 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33243 Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing

This industry comprises establishments primarily engaged in forming light gauge metal containers.

332431 Metal Can Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

The data published with NAICS code 332431 include the following SIC industry:

- 3411 Metal cans

332439 Other Metal Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

The data published with NAICS code 332439 include the following SIC industries:

- 3412 Metal barrels, drums, and pails
- 3429 Hardware, n.e.c. (pt)
- 3444 Sheet metal work (pt)
- 3499 Fabricated metal products, n.e.c. (pt)
- 3537 Industrial trucks and tractors (pt)

3325 Hardware Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33251, Hardware Manufacturing.

33251 Hardware Manufacturing

This industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

332510 Hardware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

The data published with NAICS code 332510 include the following SIC industries:

- 3429 Hardware, n.e.c. (pt)
- 3499 Fabricated metal products, n.e.c. (pt)

3326 Spring and Wire Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33261, Spring and Wire Product Manufacturing.

33261 Spring and Wire Product Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing steel springs by forming, such as cutting, bending, and heat winding metal rod or strip stock and/or (2) manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

332611 Spring (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding rod or strip stock.

The data published with NAICS code 332611 include the following SIC industry:

- 3493 Steel springs, except wire

332612 Spring (Light Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

The data published with NAICS code 332612 include the following SIC industry:

- 3495 Wire springs (pt)

332618 Other Fabricated Wire Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

The data published with NAICS code 332618 include the following SIC industries:

- 3315 Steel wire and related products (pt)
- 3399 Primary metal products, n.e.c. (pt)
- 3496 Miscellaneous fabricated wire products

3327 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33271, Machine Shops; and 33272, Turned Product and Screw, Nut, and Bolt Manufacturing.

33271 Machine Shops

This industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

332710 Machine Shops

This U.S. industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

The data published with NAICS code 332710 include the following SIC industry:

- 3599 Industrial machinery, n.e.c. (pt)

33272 Turned Product and Screw, Nut, and Bolt Manufacturing

This industry comprises establishments primarily engaged in (1) machining precision turned products or (2) manufacturing metal bolts, nuts, screws, rivets, and other industrial fasteners. Included in this industry are establishments primarily engaged manufacturing parts for machinery and equipment on a customized basis.

332721 Precision Turned Product Manufacturing

This U.S. industry comprises establishments known as precision turned manufacturers primarily engaged in machining precision products of all materials on a job or order basis. Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

The data published with NAICS code 332721 include the following SIC industry:

3451 Screw machine products

332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, and washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

The data published with NAICS code 332722 include the following SIC industry:

3452 Bolts, nuts, rivets, and washers

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332722 do not include establishments primarily engaged in the manufacture of turnbuckles and hose clamps. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3328 Coating, Engraving, Heat Treating, and Allied Activities

This NAICS industry group includes establishments classified in NAICS Industry 33281, Coating, Engraving, Heat Treating, and Allied Activities.

33281 Coating, Engraving, Heat Treating, and Allied Activities

This industry comprises establishments primarily engaged in one or more of the following: (1) heat treating metals and metal products; (2) enameling, lacquering, varnishing metals and metal products; (3) hot dip galvanizing metals and metal products; (4) engraving, chasing, or

etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (5) powder coating metals and metal products; (6) electroplating, plating, anodizing, coloring, and finishing metals and metal products; and (7) providing other metal surfacing services for the trade. Establishments in this industry coat engravings and heat treat metals and metal formed products fabricated elsewhere.

332811 Metal Heat Treating

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing, metals and metal products for the trade.

The data published with NAICS code 332811 include the following SIC industry:

3398 Metal heat treating

332812 Metal Coating, Engraving (Except Jewelry and Silverware), and Allied Services to Manufacturers

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) enameling, lacquering, and varnishing metals and metal products; (2) hot dip galvanizing metals and metal products; (3) engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (4) powder coating metals and metal products; and (5) providing other metal surfacing services for the trade.

The data published with NAICS code 332812 include the following SIC industry:

3479 Metal coating and allied services (pt)

332813 Electroplating, Plating, Polishing, Anodizing, and Coloring

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

The data published with NAICS code 332813 include the following SIC industry:

3471 Plating and polishing

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332813 do not include establishments primarily engaged in laminating steel. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3329 Other Fabricated Metal Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, and nuts and bolts).

33291 Metal Valve Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following metal valves: (1) industrial valves; (2) fluid power valves and hose fittings; (3) plumbing fixture fittings and trim; and (4) other metal valves and pipe fittings.

332911 Industrial Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

The data published with NAICS code 332911 include the following SIC industries:

3491 Industrial valves

332912 Fluid Power Valve and Hose Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

The data published with NAICS code 332912 include the following SIC industries:

3492 Fluid power valves and hose fittings

3728 Aircraft parts and equipment, n.e.c. (pt)

332913 Plumbing Fixture Fitting and Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

The data published with NAICS code 332913 include the following SIC industry:

3432 Plumbing fittings and brass goods (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332913 include establishments primarily engaged in the manufacture of lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332919 Other Metal Valve and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

The data published with NAICS code 332919 include the following SIC industries:

3429 Hardware, n.e.c. (pt)

3494 Valves and pipe fittings, n.e.c. (pt)

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332919 do not include establishments primarily engaged in manufacturing lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33299 All Other Fabricated Metal Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metal products, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, and metal valves).

332991 Ball and Roller Bearing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

The data published with NAICS code 332991 include the following SIC industry:

3562 Ball and roller bearings

332992 Small Arms Ammunition Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

The data published with NAICS code 332992 include the following SIC industry:

3482 Small arms ammunition

332993 Ammunition (Except Small Arms) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

The data published with NAICS code 332993 include the following SIC industry:

3483 Ammunition, except small arms, n.e.c.

332994 Small Arms Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

The data published with NAICS code 332994 include the following SIC industry:

3484 Small arms

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332995 Other Ordnance and Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

The data published with NAICS code 332995 include the following SIC industry:

3489 Ordnance and accessories, n.e.c.

332996 Fabricated Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating (such as cutting, threading and bending) metal pipes and pipe fittings made from purchased metal pipe.

The data published with NAICS code 332996 include the following SIC industries:

3353 Aluminum sheet, plate, and foil (pt)

3498 Fabricated pipe and fittings

332997 Industrial Pattern Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

The data published with NAICS code 332997 include the following SIC industry:

3543 Industrial patterns

332998 Enameled Iron and Metal Sanitary Ware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

The data published with NAICS code 332998 include the following SIC industry:

3431 Metal sanitary ware

332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts, and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

The data published with NAICS code 332999 include the following SIC industries:

3291 Abrasive products (pt)

3432 Plumbing fixture fittings and trim

3494 Valves and pipe fittings, n.e.c. (pt)

3497 Metal foil and leaf (pt)

3499 Fabricated metal products, n.e.c. (pt)

3537 Industrial trucks and tractors (pt)

3599 Industrial machinery, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332999 do not include establishments primarily engaged in manufacturing fire-place fixtures, traps, handcuffs and leg irons, ladder jacks, or other like metal products, or primarily engaged in manufacturing precious metal hollowware. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333 Machinery Manufacturing

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it

typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing NAICS. The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general-purpose machinery) and machinery that is designed to be used in a particular industry (i.e., special-purpose machinery). Three industry groups consist of special-purpose machinery—Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General-Purpose Machinery Manufacturing.

3331 Agriculture, Construction, and Mining Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33311, Agricultural Implement Manufacturing; 33312, Construction Machinery Manufacturing; and 33313, Mining and Oil and Gas Field Machinery Manufacturing.

33311 Agricultural Implement Manufacturing

This industry comprises establishments primarily engaged in manufacturing farm machinery and equipment, powered mowing equipment, and other powered home lawn and garden equipment.

333111 Farm Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment, and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

The data published with NAICS code 333111 include the following SIC industry:

3523 Farm machinery and equipment (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to

NAICS. Data for NAICS industry 333111 do not include establishments primarily engaged in manufacturing cotton ginning machinery. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333112 Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

The data published with NAICS code 333112 include the following SIC industry:

3524 Lawn and garden equipment (pt)

33312 Construction Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

333120 Construction Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

The data published with NAICS code 333120 include the following SIC industry:

3531 Construction machinery (pt)

33313 Mining and Oil and Gas Field Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing oil and gas field and underground mining machinery and equipment.

333131 Mining Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, rock drills and (2) manufacturing mineral beneficiating machinery and equipment used in surface or underground mines.

The data published with NAICS code 333131 include the following SIC industry:

3532 Mining machinery

333132 Oil and Gas Field Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks and (2) manufacturing water well drilling machinery.

The data published with NAICS code 333132 include the following SIC industry:

3533 Oil field machinery

3332 Industrial Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33321, Sawmill and Woodworking Machinery Manufacturing; 33322, Plastics and Rubber Industry Machinery Manufacturing; and 33329, Other Industrial Machinery Manufacturing.

33321 Sawmill and Woodworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

333210 Sawmill and Woodworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

The data published with NAICS code 333210 include the following SIC industry:

3553 Woodworking machinery

33322 Plastics and Rubber Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

333220 Plastics and Rubber Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

The data published with NAICS code 333220 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

33329 Other Industrial Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction, mining, sawmill and woodworking, and plastics and rubber products making machinery).

333291 Paper Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

The data published with NAICS code 333291 include the following SIC industry:

3554 Paper industries machinery

333292 Textile Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

The data published with NAICS code 333292 include the following SIC industries:

3552 Textile machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333293 Printing Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, type-setting machinery, and bindery machinery.

The data published with NAICS code 333293 include the following SIC industries:

3555 Printing trades machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333294 Food Product Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

The data published with NAICS code 333294 include the following SIC industry:

3556 Food products machinery

333295 Semiconductor Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

The data published with NAICS code 333295 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

333298 All Other Industrial Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

The data published with NAICS code 333298 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3639 Household appliances, n.e.c. (pt)

3333 Commercial and Service Industry Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33331, Commercial and Service Industry Machinery Manufacturing.

33331 Commercial and Service Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and drycleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

333311 Automatic Vending Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing coin, token, currency, or magnetic card operated vending machines and/or (2) manufacturing coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

The data published with NAICS code 333311 include the following SIC industry:

3581 Automatic merchandising machines

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333311 do not include establishments primarily engaged in the manufacture of change making machines. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

The data published with NAICS code 333312 include the following SIC industry:

3582 Commercial laundry equipment

333313 Office Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mail-handling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

The data published with NAICS code 333313 include the following SIC industries:

3578 Calculating and accounting equipment (pt)

3579 Office machines, n.e.c. (pt)

333314 Optical Instrument and Lens Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing optical instruments and lens, such as binoculars, microscopes (except electron, proton), telescopes, prisms, and lenses (except ophthalmic); (2) coating or polishing lenses (except ophthalmic); and (3) mounting lenses (except ophthalmic).

The data published with NAICS code 333314 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3827 Optical instruments and lenses

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333314 include establishments primarily engaged in the manufacture of sighting and tracking laser products.

333315 Photographic and Photocopying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, digital projectors, film developing equipment, photocopying equipment, and microfilm equipment).

The data published with NAICS code 333315 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3861 Photographic equipment and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333315 include establishments primarily engaged in the manufacture of photographic laser products.

333319 Other Commercial and Service Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

The data published with NAICS code 333319 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3589 Service industry machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333319 do not include establishments primarily engaged in the manufacture of beauty and barbershop equipment, except chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3334 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33341, Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing.

33341 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing ventilating, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

333411 Air Purification Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

The data published with NAICS code 333411 include the following SIC industry:

3564 Blowers and fans (pt)

333412 Industrial and Commercial Fan and Blower Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

The data published with NAICS code 333412 include the following SIC industry:

3564 Blowers and fans (pt)

333414 Heating Equipment (Except Warm Air Furnaces) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

The data published with NAICS code 333414 include the following SIC industries:

3433 Heating equipment, except electric

3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333414 do not include establishments primarily engaged in the manufacture of cooling towers of wood, metal, or sheet metal, or the manufacture of electric swimming pool heaters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333415 Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or (2) manufacturing commercial and industrial refrigeration and freezer equipment.

The data published with NAICS code 333415 include the following SIC industries:

3443 Fabricated plate work, boiler shops (pt)

3585 Refrigeration and heating equipment (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to

NAICS. Data for NAICS industry 333415 include establishments primarily engaged in the manufacture of metal cooling towers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3335 Metalworking Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33351, Metalworking Machinery Manufacturing.

33351 Metalworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

333511 Industrial Mold Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

The data published with NAICS code 333511 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333512 Machine Tool (Metal Cutting Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

The data published with NAICS code 333512 include the following SIC industries:

3541 Machine tools, metal cutting types

3699 Electrical equipment and supplies, n.e.c. (pt)

333513 Machine Tool (Metal Forming Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging and die-casting machines.

The data published with NAICS code 333513 include the following SIC industries:

3542 Machine tools, metal forming types

333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

The data published with NAICS code 333514 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333515 Cutting Tool and Machine Tool Accessory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

The data published with NAICS code 333515 include the following SIC industry:

3545 Machine tool accessories (pt)

333516 Rolling Mill Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

The data published with NAICS code 333516 include the following SIC industry:

3547 Rolling mill machinery

333518 Other Metalworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

The data published with NAICS code 333518 include the following SIC industry:

3549 Metalworking machinery, n.e.c.

3336 Engine, Turbine, and Power Transmission Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33361, Engine, Turbine, and Power Transmission Equipment Manufacturing.

33361 Engine, Turbine, and Power Transmission Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive gasoline and aircraft).

333611 Turbine and Turbine Generator Set Units Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft); and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

The data published with NAICS code 333611 include the following SIC industry:

3511 Turbines and turbine generator sets

333612 Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

The data published with NAICS code 333612 include the following SIC industry:

3566 Speed changers, drives, and gears

333613 Mechanical Power Transmission Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, brakes and clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

The data published with NAICS code 333613 include the following SIC industry:

3568 Power transmission equipment, n.e.c.

333618 Other Engine Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

The data published with NAICS code 333618 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

3339 Other General-Purpose Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33391, Pump and Compressor Manufacturing; 33392, Material Handling Equipment Manufacturing; and 33399, All Other General-Purpose Machinery Manufacturing.

33391 Pump and Compressor Manufacturing

This industry comprises establishments primarily engaged in manufacturing pumps and compressors, such as general-purpose air and gas compressors, nonagricultural spraying and dusting equipment, general-purpose pumps and pumping equipment (except fluid power pumps and motors), and measuring and dispensing pumps.

333911 Pump and Pumping Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps and sump pumps.

The data published with NAICS code 333911 include the following SIC industries:

3561 Pumps and pumping equipment

3743 Railroad equipment (pt)

333912 Air and Gas Compressor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

The data published with NAICS code 333912 include the following SIC industry:

3563 Air and gas compressors

333913 Measuring and Dispensing Pump Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

The data published with NAICS code 333913 include the following SIC industry:

3586 Measuring and dispensing pumps

33392 Material Handling Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing material handling equipment, such as elevators and moving stairs; conveyors and conveying equipment; overhead traveling cranes, hoists, and monorail systems; and industrial trucks, tractors, trailers, and stacker machinery.

333921 Elevator and Moving Stairway Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

The data published with NAICS code 333912 include the following SIC industry:

3534 Elevators and moving stairways

333922 Conveyor and Conveying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

The data published with NAICS code 333922 include the following SIC industries:

3523 Farm machinery and equipment (pt)

3535 Conveyors and conveying equipment

333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

The data published with NAICS code 333923 include the following SIC industries:

3531 Construction machinery (pt)

3536 Hoists, cranes, and monorails

333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type) such as forklifts, pallet loaders and unloaders, and portable loading docks.

The data published with NAICS code 333924 include the following SIC industry:

3537 Industrial trucks and tractors (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33399 All Other General-Purpose Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilation, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; and material handling equipment).

333991 Power-Driven Handtool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

The data published with NAICS code 333991 include the following SIC industry:

3546 Power-driven handtools

333992 Welding and Soldering Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

The data published with NAICS code 333992 include the following SIC industries:

3548 Welding apparatus (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

333993 Packaging Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

The data published with NAICS code 333993 include the following SIC industry:

3565 Packaging machinery

333994 Industrial Process Furnace and Oven Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, wood).

The data published with NAICS code 333994 include the following SIC industry:

3567 Industrial furnaces and ovens

333995 Fluid Power Cylinder and Actuator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

The data published with NAICS code 333995 include the following SIC industries:

3593 Fluid power cylinders and actuators

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333995 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333996 Fluid Power Pump and Motor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

The data published with NAICS code 333996 include the following SIC industries:

3594 Fluid power pumps and motors

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333996 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333997 Scale and Balance (Except Laboratory) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

The data published with NAICS code 333997 include the following SIC industry:

3596 Scales and balances, except laboratory

333999 All Other Miscellaneous General-Purpose Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery;

engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

The data published with NAICS code 333999 include the following SIC industries:

3569 General industrial machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

334 Computer and Electronic Product Manufacturing

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of NAICS because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment are brought together. As new activities emerge, they are less likely, therefore, to cross the subsector boundaries of the classification.

3341 Computer and Peripheral Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33411, Computer and Peripheral Equipment Manufacturing.

33411 Computer and Peripheral Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

334111 Electronic Computer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

The data published with NAICS code 334111 include the following SIC industry:

3571 Electronic computers

334112 Computer Storage Device Manufacturing

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

The data published with NAICS code 334112 include the following SIC industry:

3572 Computer storage devices

334113 Computer Terminal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

The data published with NAICS code 334113 include the following SIC industry:

3575 Computer terminals

334119 Other Computer Peripheral Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

The data published with NAICS code 334119 include the following SIC industries:

3577 Computer peripheral equipment, n.e.c.

3578 Calculating and accounting equipment (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334119 include establishments primarily engaged in the manufacture of laser products.

3342 Communications Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33421, Telephone Apparatus Manufacturing; 33422, Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing; and 33429, Other Communications Equipment Manufacturing.

33421 Telephone Apparatus Manufacturing

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

334210 Telephone Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

The data published with NAICS code 334210 include the following SIC industry:

3661 Telephone and telegraph apparatus (pt)

33422 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

The data published with NAICS code 334220 include the following SIC industries:

3663 Radio and TV communications equipment

3679 Electronic components, n.e.c. (pt)

33429 Other Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

334290 Other Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

The data published with NAICS code 334290 include the following SIC industry:

3669 Communications equipment, n.e.c.

3343 Audio and Video Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33431, Audio and Video Equipment Manufacturing.

33431 Audio and Video Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

334310 Audio and Video Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

The data published with NAICS code 334310 include the following SIC industry:

3651 Household audio and video equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334310 do not include establishments primarily engaged in the manufacture of radio headphones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3344 Semiconductor and Other Electronic Component Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33441, Semiconductor and Other Electronic Component Manufacturing.

33441 Semiconductor and Other Electronic Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products

made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

334411 Electron Tube Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

The data published with NAICS code 334411 include the following SIC industries:

3671 Electron tubes

334412 Bare Printed Circuit Board Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

The data published with NAICS code 334412 include the following SIC industry:

3672 Printed circuit boards

334413 Semiconductor and Related Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells, and other optoelectronic devices.

The data published with NAICS code 334413 include the following SIC industry:

3674 Semiconductors and related devices

334414 Electronic Capacitor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

The data published with NAICS code 334414 include the following SIC industry:

3675 Electronic capacitors

334415 Electronic Resistor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

The data published with NAICS code 334415 include the following SIC industry:

3676 Electronic resistors

334416 Electronic Coil, Transformer, and Other Inductor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

The data published with NAICS code 334416 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3677 Electronic coils and transformers

3825 Instruments to measure electricity (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334416 include establishments primarily engaged in the manufacture of telephone transformers or portable instrument transformers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334417 Electronic Connector Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial, cylindrical, rack and panel, pin and sleeve, printed circuit and fiber optic.

The data published with NAICS code 334417 include the following SIC industry:

3678 Electronic connectors

334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

The data published with NAICS code 334418 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3679 Electronic components, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334418 do not include

establishments primarily engaged in the manufacture of plotter controllers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334419 Other Electronic Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers and other inductors; connectors; and loaded printed circuit boards).

The data published with NAICS code 334419 include the following SIC industry:

3679 Electronic components, n.e.c. (pt)

3345 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33451, Navigational, Measuring, Medical, and Control Instruments Manufacturing.

33451 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

334510 Electromedical and Electrotherapeutic Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

The data published with NAICS code 334510 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

3845 Electromedical equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334510 include establishments primarily engaged in the manufacture of electro-medical laser products.

334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

The data published with NAICS code 334511 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3812 Search and navigation equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334511 include establishments primarily engaged in the manufacture of search and detection laser products.

334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration and appliances.

The data published with NAICS code 334512 include the following SIC industry:

3822 Environmental controls

334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display or control (monitor, analyze, and so forth) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

The data published with NAICS code 334513 include the following SIC industry:

3823 Process control instruments

334514 Totalizing Fluid Meter and Counting Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made

by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

The data published with NAICS code 334514 include the following SIC industry:

3824 Fluid meters and counting devices

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334514 do not include establishments primarily engaged in the manufacture of automotive ammeters and voltmeters or motor vehicle gauges. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

The data published with NAICS code 334515 include the following SIC industry:

3825 Instruments to measure electricity (pt)

334516 Analytical Laboratory Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

The data published with NAICS code 334516 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3826 Analytical instruments

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334516 include establishments primarily engaged in the manufacture of analytical and scientific laser products.

334517 Irradiation Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

The data published with NAICS code 334517 include the following SIC industry:

3844 X-ray apparatus and tubes

334518 Watch, Clock, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

The data published with NAICS code 334518 include the following SIC industries:

3495 Wire springs (pt)

3579 Office machines, n.e.c. (pt)

3873 Watches, clocks, and watchcases

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334518 do not include establishments primarily engaged in the manufacture of electronic chronometers or watch jewels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334519 Other Measuring and Controlling Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

The data published with NAICS code 334519 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3829 Measuring and controlling devices, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334519 include establishments primarily engaged in the manufacture of commercial geophysical, meteorological, survey, and drafting laser products.

3346 Manufacturing and Reproducing Magnetic and Optical Media

This NAICS industry group includes establishments classified in NAICS Industry 33461, Manufacturing and Reproducing Magnetic and Optical Media.

33461 Manufacturing and Reproducing Magnetic and Optical Media

This industry comprises establishments primarily engaged in (1) manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or (2) mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

334611 Software Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software; they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

The data published with NAICS code 334611 include the following SIC industries:

7379 Computer Related Services, n.e.c. (pt)

334612 Prerecorded Compact Disc (Except Software), Tape, and Record Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

The data published with NAICS code 334612 include the following SIC industries:

3652 Prerecorded records and tapes

7819 Services allied to motion pictures (pt)

334613 Magnetic and Optical Recording Media Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

The data published with NAICS code 334613 include the following SIC industry:

3695 Magnetic and optical recording media

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334613 do not include establishments primarily engaged in the manufacture of magnetic tape cleaners. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335 Electrical Equipment, Appliance, and Component Manufacturing

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric lighting equipment manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household appliance manufacturing establishments make both small and major electrical appliances and parts. Electrical equipment manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other electrical equipment and component manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 Electric Lighting Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33511, Electric Lamp Bulb and Parts Manufacturing; and 33512, Lighting Fixture Manufacturing.

33511 Electric Lamp Bulb and Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335110 Electric Lamp Bulb and Part Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

The data published with NAICS code 335110 include the following SIC industry:

3641 Electric lamps

33512 Lighting Fixture Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics) and lighting fixture components (except current-carrying wiring devices).

335121 Residential Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

The data published with NAICS code 335121 include the following SIC industries:

- 3089 Plastics products, n.e.c. (pt)
- 3645 Residential lighting fixtures
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335121 include establishments primarily engaged in the manufacture of plastic lampshades. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

The data published with NAICS code 335122 include the following SIC industry:

- 3646 Commercial lighting fixtures

335129 Other Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular electric lighting fixtures) and nonelectric lighting equipment.

The data published with NAICS code 335129 include the following SIC industries:

- 3648 Lighting equipment, n.e.c.
- 3699 Electrical equipment and supplies, n.e.c. (pt)

3352 Household Appliance Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33521, Small Electrical Appliance Manufacturing; and 33522, Major Appliance Manufacturing.

33521 Small Electrical Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

335211 Electric Housewares and Household Fan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

The data published with NAICS code 335211 include the following SIC industry:

- 3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335211 do not include establishments primarily engaged in the manufacture of electric hair clippers for humans. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335212 Household Vacuum Cleaner Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

The data published with NAICS code 335212 include the following SIC industries:

- 3635 Household vacuum cleaners
- 3639 Household appliances, n.e.c. (pt)

33522 Major Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

335221 Household Cooking Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

The data published with NAICS code 335221 include the following SIC industry:

- 3631 Household cooking equipment

335222 Household Refrigerator and Home Freezer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

The data published with NAICS code 335222 include the following SIC industry:

3632 Household refrigerators and freezers

335224 Household Laundry Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

The data published with NAICS code 335224 include the following SIC industry:

3633 Household laundry equipment

335228 Other Major Household Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric and nonelectric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

The data published with NAICS code 335228 include the following SIC industry:

3639 Household appliances, n.e.c. (pt)

3353 Electrical Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33531, Electrical Equipment Manufacturing.

33531 Electrical Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

335311 Power, Distribution, and Specialty Transformer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

The data published with NAICS code 335311 include the following SIC industries:

3548 Welding apparatus (pt)

3612 Transformers

335312 Motor and Generator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

The data published with NAICS code 335312 include the following SIC industries:

3621 Motors and generators

7694 Armature rewinding shops (pt)

335313 Switchgear and Switchboard Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

The data published with NAICS code 335313 include the following SIC industry:

3613 Switchgear and switchboard apparatus

335314 Relay and Industrial Control Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

The data published with NAICS code 335314 include the following SIC industry:

3625 Relays and industrial controls

3359 Other Electrical Equipment and Component Manufacturing

This industry group comprises establishments manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

33591 Battery Manufacturing

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

335911 Storage Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

The data published with NAICS code 335911 include the following SIC industry:

3691 Storage batteries

335912 Primary Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

The data published with NAICS code 335912 include the following SIC industry:

3692 Primary batteries, dry and wet

33592 Communication and Energy Wire and Cable Manufacturing

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

335921 Fiber Optic Cable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

The data published with NAICS code 335921 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

335929 Other Communication and Energy Wire Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

The data published with NAICS code 335929 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

33593 Wiring Device Manufacturing

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

335931 Current-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

The data published with NAICS code 335931 include the following SIC industry:

3643 Current-carrying wiring devices

335932 Noncurrent-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

The data published with NAICS code 335932 include the following SIC industry:

3644 Noncurrent-carrying wiring devices

33599 All Other Electrical Equipment and Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

335991 Carbon and Graphite Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

The data published with NAICS code 335991 include the following SIC industry:

3624 Carbon and graphite products

335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

The data published with NAICS code 335999 include the following SIC industries:

3629 Electrical industrial apparatus, n.e.c.

3699 Electrical equipment and supplies, n.e.c. (pt)

336 Transportation Equipment Manufacturing

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air, and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 Motor Vehicle Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33611, Automobile and Light Duty Motor Vehicle Manufacturing; and 33612, Heavy Duty Truck Manufacturing.

33611 Automobile and Light Duty Motor Vehicle Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or (2) manufacturing chassis only.

336111 Automobile Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete automobiles (i.e., body and chassis or unibody) or (2) manufacturing automobile chassis only.

The data published with NAICS code 336111 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

336112 Light Truck and Utility Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or (2) manufacturing light truck and utility vehicle chassis only. Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

The data published with NAICS code 336112 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

33612 Heavy Duty Truck Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

336120 Heavy Duty Truck Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

The data published with NAICS code 336120 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

3362 Motor Vehicle Body and Trailer Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33621, Motor Vehicle Body and Trailer Manufacturing.

33621 Motor Vehicle Body and Trailer Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing motor vehicle bodies and cabs or (2) manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies and detachable trailer chassis. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

336211 Motor Vehicle Body Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

The data published with NAICS code 336211 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3713 Truck and bus bodies

3714 Motor vehicle parts and accessories (pt)

336212 Truck Trailer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

The data published with NAICS code 336212 include the following SIC industry:

3715 Truck trailers

336213 Motor Home Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing motor homes on purchased chassis and/or (2) manufacturing conversion vans on an assembly line basis. Motor homes are units where the motor and the living quarters are integrated in the same unit.

The data published with NAICS code 336213 include the following SIC industry:

3716 Motor homes

336214 Travel Trailer and Camper Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing travel trailers and campers designed to attach to motor vehicles; (2) manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and (3) manufacturing automobile, utility, and light-truck trailers. Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

The data published with NAICS code 336214 include the following SIC industries:

3792 Travel trailer and campers

3799 Transportation equipment, n.e.c. (pt)

3363 Motor Vehicle Parts Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33631, Motor Vehicle Gasoline Engine and Engine Parts Manufacturing; 33632, Motor Vehicle Electrical and Electronic Equipment Manufacturing; 33633, Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing; 33634, Motor Vehicle Brake System Manufacturing; 33635, Motor Vehicle Transmission and Power Train Parts Manufacturing; 33636, Motor Vehicle Seating and Interior Trim Manufacturing; 33637, Motor Vehicle Metal Stamping; and 33639, Other Motor Vehicle Parts Manufacturing.

33631 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines and engine parts, whether or not for vehicular use.

336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

The data published with NAICS code 336311 include the following SIC industries:

3592 Carburetors, pistons, rings, and valves

336312 Gasoline Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

The data published with NAICS code 336312 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33632 Motor Vehicle Electrical and Electronic Equipment Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing vehicular lighting and/or (2) manufacturing and/or rebuilding motor vehicle electrical and electronic equipment. The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, ships).

336321 Vehicular Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

The data published with NAICS code 336321 include the following SIC industry:

3647 Vehicular lighting equipment

336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

The data published with NAICS code 336322 include the following SIC industries:

3679 Electronic components, n.e.c. (pt)

3694 Engine electrical equipment

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336322 include establishments primarily engaged in the manufacture of electronic control modular chips for motor vehicles. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33633 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336330 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

The data published with NAICS code 336330 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33634 Motor Vehicle Brake System Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336340 Motor Vehicle Brake System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

The data published with NAICS code 336340 include the following SIC industries:

3292 Asbestos products (pt)

3714 Motor vehicle parts and accessories (pt)

33635 Motor Vehicle Transmission and Power Train Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336350 Motor Vehicle Transmission and Power Train Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

The data published with NAICS code 336350 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33636 Motor Vehicle Seating and Interior Trim Manufacturing

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336360 Motor Vehicle Seating and Interior Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

The data published with NAICS code 336360 include the following SIC industries:

2396 Automotive and apparel trimmings (pt)

2399 Fabricated textile products, n.e.c. (pt)

2531 Public building and related furniture (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336360 do not include establishments primarily engaged in the manufacture of metal motor vehicle seat frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33637 Motor Vehicle Metal Stamping

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336370 Motor Vehicle Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

The data published with NAICS code 336370 include the following SIC industry:

3465 Automotive stampings

33639 Other Motor Vehicle Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

336391 Motor Vehicle Air-Conditioning Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

The data published with NAICS code 336391 include the following SIC industry:

3585 Refrigeration and heating equipment (pt)

336399 All Other Motor Vehicle Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

The data published with NAICS code 336399 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336399 do not include establishments primarily engaged in the manufacture of luggage and utility racks or trailer hitches. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3364 Aerospace Product and Parts Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33641, Aerospace Product and Parts Manufacturing.

33641 Aerospace Product and Parts Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing complete aircraft, missiles, or space vehicles; (2) manufacturing aerospace engines, propulsion units, auxiliary equipment or parts; (3) developing and making prototypes of aerospace products; (4) aircraft conversion (i.e., major modifications to systems); and (5) complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336411 Aircraft Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing or assembling complete aircraft; (2) developing and making aircraft prototypes; (3) aircraft conversion (i.e., major modifications to systems); and (4) complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

The data published with NAICS code 336411 include the following SIC industry:

3721 Aircraft

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336411 do not include establishments primarily engaged in the manufacture of target drones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

336412 Aircraft Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing aircraft engines and engine parts; (2) developing and making prototypes of aircraft engines and engine parts; (3) aircraft propulsion system conversion (i.e., major modifications to systems); and (4) aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

The data published with NAICS code 336412 include the following SIC industry:

3724 Aircraft engines and engine parts

336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or (2) developing and making prototypes of aircraft parts and auxiliary equipment. Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

The data published with NAICS code 336413 include the following SIC industry:

3728 Aircraft parts and equipment, n.e.c. (pt)

336414 Guided Missile and Space Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete guided missiles and space vehicles and/or (2) developing and making prototypes of guided missile or space vehicles.

The data published with NAICS code 336414 include the following SIC industry:

3761 Guided missiles and space vehicles

336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or (2) developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

The data published with NAICS code 336415 include the following SIC industry:

3764 Space propulsion units and parts

336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or (2) developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

The data published with NAICS code 336419 include the following SIC industry:

3769 Space vehicle equipment, n.e.c.

3365 Railroad Rolling Stock Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33651, Railroad Rolling Stock Manufacturing.

33651 Railroad Rolling Stock Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

336510 Railroad Rolling Stock Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames, and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

The data published with NAICS code 336510 include the following SIC industries:

3531 Construction machinery (pt)

3743 Railroad equipment (pt)

3366 Ship and Boat Building

This NAICS industry group includes establishments classified in NAICS Industry 33661, Ship and Boat Building.

33661 Ship and Boat Building

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336611 Ship Building and Repairing

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

The data published with NAICS code 336611 include the following SIC industry:

3731 Ship building and repairing

336612 Boat Building

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

The data published with NAICS code 336612 include the following SIC industry:

3732 Boat building and repairing (pt)

3369 Other Transportation Equipment Manufacturing

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

33699 Other Transportation Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

336991 Motorcycle, Bicycle, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment and parts.

The data published with NAICS code 336991 include the following SIC industries:

3751 Motorcycles, bicycles, and parts

3944 Games, toys, and children's vehicles (pt)

336992 Military Armored Vehicle, Tank, and Tank Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

The data published with NAICS code 336992 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3795 Tanks and tank components

336999 All Other Transportation Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, armored vehicles, and tanks).

The data published with NAICS code 336999 include the following SIC industry:

3799 Transportation equipment, n.e.c. (pt)

337 Furniture and Related Product Manufacturing

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the

equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair, a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knock-down). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen, and bedroom furniture, and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

33711 Wood Kitchen Cabinet and Countertop Manufacturing

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337110 Wood Kitchen Cabinet and Countertop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

The data published with NAICS code 3371110 include the following SIC industries:

2434 Wood kitchen cabinets

2541 Wood partitions and fixtures (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337110 include establishments primarily engaged in manufacturing wood countertops as part of wood office and store fixtures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33712 Household and Institutional Furniture Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337121 Upholstered Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

The data published with NAICS code 337121 include the following SIC industries:

2512 Upholstered household furniture

2515 Mattresses and bedsprings (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337121 do not include establishments primarily engaged in manufacturing upholstered metal household furniture. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337122 Nonupholstered Wood Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337122 include the following SIC industries:

2511 Wood household furniture

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337122 include establishments primarily engaged in manufacturing wood box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337124 Metal Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337124 include the following SIC industry:

2514 Metal household furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337124 include establishments primarily engaged in manufacturing upholstered metal household furniture or metal box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337125 Household Furniture (Except Wood and Metal) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed,

rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337125 include the following SIC industry:

2519 Household furniture, n.e.c.

337127 Institutional Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337127 include the following SIC industries:

2531 Public building and related furniture (pt)

2599 Furniture and fixtures, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337127 do not include establishments primarily engaged in manufacturing wood or nonwood lunchroom tables and chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

The data published with NAICS code 337129 include the following SIC industry:

2517 Wood TV and radio cabinets

3372 Office Furniture (Including Fixtures) Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33721, Office Furniture (Including Fixtures) Manufacturing.

33721 Office Furniture (Including Fixtures) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337211 Wood Office Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337211 include the following SIC industry:

2521 Wood office furniture

337212 Custom Architectural Woodwork and Millwork Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

The data published with NAICS code 337212 include the following SIC industry:

2541 Wood partitions and fixtures (pt)

337214 Office Furniture (Except Wood) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337214 include the following SIC industry:

2522 Office furniture, except wood

337215 Showcase, Partition, Shelving, and Locker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

The data published with NAICS code 337215 include the following SIC industries:

2426 Hardwood dimension and flooring mills (pt)

2541 Wood partitions and fixtures (pt)

2542 Partitions and fixtures, except wood

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337215 include establishments primarily engaged in manufacturing wood or non-wood lunchroom tables and chairs, but do not include establishments primarily engaged in manufacturing wood or metal box spring frames, finished plastic furniture parts, convertible bed sleeper mechanisms or chair glides. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3379 Other Furniture Related Product Manufacturing

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

33791 Mattress Manufacturing

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337910 Mattress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

The data published with NAICS code 337910 include the following SIC industry:

2515 Mattresses and bedsprings (pt)

33792 Blind and Shade Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

337920 Blind and Shade Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

The data published with NAICS code 337920 include the following SIC industry:

2591 Drapery hardware, blinds, and shades

339 Miscellaneous Manufacturing

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific NAICS subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

3391 Medical Equipment and Supplies Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33911, Medical Equipment and Supplies Manufacturing.

33911 Medical Equipment and Supplies Manufacturing

This industry comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

339111 Laboratory Apparatus and Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

The data published with NAICS code 339111 include the following SIC industry:

3821 Laboratory apparatus and furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339111 do not include establishments primarily engaged in the manufacture of hospital beds or operating tables. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339112 Surgical and Medical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electromedical, and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

The data published with NAICS code 339112 include the following SIC industries:

3829 Measuring and controlling devices, n.e.c. (pt)

3841 Surgical and medical instruments

339113 Surgical Appliance and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

The data published with NAICS code 339113 include the following SIC industries:

2599 Furniture and fixtures, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339113 do not include establishments primarily engaged in the manufacture of rubber gloves and life jackets. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339114 Dental Equipment and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material.

The data published with NAICS code 339114 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3843 Dental equipment and supplies

339115 Ophthalmic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, and reading glasses made to standard powers.

The data published with NAICS code 339115 include the following SIC industry:

3851 Ophthalmic goods

339116 Dental Laboratories

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

The data published with NAICS code 339116 include the following SIC industry:

8072 Dental laboratories

3399 Other Miscellaneous Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33991, Jewelry and Silverware Manufacturing; 33992, Sporting and Athletic Goods Manufacturing; 33993, Doll, Toy, and Game Manufacturing; 33994, Office Supplies (Except Paper) Manufacturing; 33995, Sign Manufacturing; and 33999, All Other Miscellaneous Manufacturing.

33991 Jewelry and Silverware Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching jewelry; (2) manufacturing metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (3) manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware; (4) manufacturing, engraving, chasing, or etching personal metal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (5) stamping coins; (6) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (7) cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems; (8) recutting, repolishing, and setting gem stones; and (9) drilling, sawing, and peeling cultured and costume pearls.

339911 Jewelry (Except Costume) Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry; (2) manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and (3) stamping coins.

The data published with NAICS code 339911 include the following SIC industries:

3479 Metal coating and allied services (pt)

3911 Jewelry, precious metal

339912 Silverware and Holloware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other plated ware.

The data published with NAICS code 339912 include the following SIC industries:

3479 Metal coating and allied services (pt)

3914 Silverware and plated ware (pt)

339913 Jewelers' Material and Lapidary Work Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (2) cutting, slabbing, tumbling, carving, engraving, polishing or faceting precious or semiprecious stones and gems; (3) recutting, repolishing, and setting gem stones; and (4) drilling, sawing, and peeling cultured pearls.

The data published with NAICS code 339913 include the following SIC industry:

3915 Jewelers' materials and lapidary work

339914 Costume Jewelry and Novelty Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing, engraving, chasing, and etching costume jewelry; and/or (2) manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases). This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

The data published with NAICS code 339914 include the following SIC industries:

3479 Metal coating and allied services (pt)

3499 Fabricated metal products, n.e.c. (pt)

3961 Costume jewelry

33992 Sporting and Athletic Goods Manufacturing

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

339920 Sporting and Athletic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

The data published with NAICS code 339920 include the following SIC industry:

3949 Sporting and athletic goods, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339920 do not include establishments primarily engaged in the manufacture of wet suits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33993 Doll, Toy, and Game Manufacturing

This industry comprises establishments primarily engaged in manufacturing dolls, toys, and games, such as complete dolls, doll parts, doll clothes, action figures, toys, games (including electronic), hobby kits, and children's vehicles (except metal bicycles and tricycles).

339931 Doll and Stuffed Toy Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes, action figures, and stuffed toys.

The data published with NAICS code 339931 include the following SIC industry:

3942 Dolls

339932 Game, Toy, and Children's Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

The data published with NAICS code 339932 include the following SIC industry:

3944 Games, toys, and children's vehicles (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339932 do not include

establishments primarily engaged in the manufacture of rubber toys, except dolls or embroidery kits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33994 Office Supplies (Except Paper) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office supplies. Examples of products made by these establishments are pens, pencils, felt tip markers, crayons, chalk, pencil sharpeners, staplers, hand operated stamps, modeling clay, and inked ribbons.

339941 Pen and Mechanical Pencil Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

The data published with NAICS code 339941 include the following SIC industry:

3951 Pens and mechanical pencils

339942 Lead Pencil and Art Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

The data published with NAICS code 339942 include the following SIC industries:

2531 Public building and related furniture (pt)

3579 Office machines, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

339943 Marking Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

The data published with NAICS code 339943 include the following SIC industry:

3953 Marking devices

339944 Carbon Paper and Inked Ribbon Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

The data published with NAICS code 339944 include the following SIC industry:

3955 Carbon paper and inked ribbons

33995 Sign Manufacturing

This industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

339950 Sign Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

The data published with NAICS code 339950 include the following SIC industries:

3993 Signs and advertising specialties

33999 All Other Miscellaneous Manufacturing

This industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), and signs).

339991 Gasket, Packing, and Sealing Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

The data published with NAICS code 339991 include the following SIC industry:

3053 Gaskets, packing and sealing devices

339992 Musical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

The data published with NAICS code 339992 include the following SIC industry:

3931 Musical instruments

339993 Fastener, Button, Needle, and Pin Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

The data published with NAICS code 339993 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3965 Fasteners, buttons, needles, and pins

339994 Broom, Brush, and Mop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

The data published with NAICS code 339994 include the following SIC industries:

2392 Housefurnishings, n.e.c. (pt)

3991 Brooms and brushes

339995 Burial Casket Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

The data published with NAICS code 339995 include the following SIC industry:

3995 Burial caskets

339999 All Other Miscellaneous Manufacturing

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical

equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

The data published with NAICS code 339999 include the following SIC industries:

2499 Wood products, n.e.c. (pt)

3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339999 do not include establishments primarily engaged in the manufacture of electronic cigarette lighters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

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:

1. 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” (nsc) 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.

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.

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 SIC-based 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.

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

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, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

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.

Appendix D. Geographic Notes

FLORIDA

Atlantic Beach. See “Jacksonville (consolidated city).”

Aventura was incorporated in November 1995.

De Bary was incorporated in December 1993.

Deltona was incorporated in December 1995.

Jacksonville Beach. See “Jacksonville (consolidated city).”

Jacksonville (balance). See “Jacksonville (consolidated city).”

Jacksonville (consolidated city) is coextensive with Duval County. It includes Atlantic Beach, Jacksonville

Beach, and Neptune Beach, which are tabulated separately. “Jacksonville (balance),” which is a place equivalent, includes Baldwin, which is not populous enough for separate tabulation.

Longboat Key is in Manatee and Sarasota Counties.

Neptune Beach. See “Jacksonville (consolidated city).”

Pinecrest was incorporated in March 1996.

St. Pete Beach name was changed from St. Petersburg Beach in April 1994.

Wellington was incorporated in December 1995.

Weston was incorporated in September 1996.

Appendix E. Metropolitan Areas

FLORIDA

Daytona Beach, FL MSA

Flagler County, FL

Volusia County, FL

Fort Lauderdale, FL PMSA

Broward County, FL

Fort Myers—Cape Coral, FL MSA

Lee County, FL

Fort Pierce—Port St. Lucie, FL MSA

Martin County, FL

St. Lucie County, FL

Fort Walton Beach, FL MSA

Okaloosa County, FL

Gainesville, FL MSA

Alachua County, FL

Jacksonville, FL MSA

Clay County, FL

Duval County, FL

Nassau County, FL

St. Johns County, FL

Lakeland—Winter Haven, FL MSA

Polk County, FL

Melbourne—Titusville—Palm Bay, FL MSA

Brevard County, FL

Miami—Fort Lauderdale, FL CMSA

Fort Lauderdale, FL PMSA

Broward County, FL

Miami, FL PMSA

Dade County, FL

Miami, FL PMSA

Dade County, FL

Naples, FL MSA

Collier County, FL

Ocala, FL MSA

Marion County, FL

Orlando, FL MSA

Lake County, FL

Orange County, FL

Osceola County, FL

Seminole County, FL

Panama City, FL MSA

Bay County, FL

Pensacola, FL MSA

Escambia County, FL

Santa Rosa County, FL

Punta Gorda, FL MSA

Charlotte County, FL

Sarasota—Bradenton, FL MSA

Manatee County, FL

Sarasota County, FL

Tallahassee, FL MSA

Gadsden County, FL

Leon County, FL

Tampa—St. Petersburg—Clearwater, FL MSA

Hernando County, FL

Hillsborough County, FL

Pasco County, FL

Pinellas County, FL

West Palm Beach—Boca Raton, FL MSA

Palm Beach County, FL

