

# Indiana

# 1997

Issued May 2000

EC97M31A-IN

## 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.



# Indiana 1997

Issued May 2000

EC97M31A-IN

## 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 .....	22
3. Industry Statistics for Counties: 1997 .....	64
4. Industry Statistics for Places: 1997 .....	95
5. Detailed Statistics for the State: 1997 .....	124
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](http://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](http://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](http://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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>INDIANA</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>9 303</b>	<b>3 946</b>	<b>625 692</b>	<b>22 121 447</b>	<b>478 248</b>	<b>981 408</b>	<b>14 956 506</b>	<b>67 210 944</b>	<b>75 652 832</b>	<b>142 270 702</b>	<b>5 548 626</b>
311	Food mfg . . . . .	-	446	188	33 062	968 187	22 865	46 976	552 012	4 609 040	6 030 733	10 620 502	315 140
3111	Animal food mfg . . . . .	-	51	22	1 677	48 664	1 026	2 166	27 880	266 314	572 074	840 106	24 367
31111	Animal food mfg . . . . .	-	51	22	1 677	48 664	1 026	2 166	27 880	266 314	572 074	840 106	24 367
311111	Dog & cat food mfg . . . . .	-	7	4	638	19 464	447	943	13 264	166 331	219 268	380 365	10 298
311119	Other animal food mfg . . . . .	1	44	18	1 039	29 200	579	1 223	14 616	99 983	352 806	459 741	14 069
3112	Grain & oilseed milling . . . . .	-	26	18	2 868	122 023	2 176	4 971	82 815	778 771	1 726 688	2 493 907	96 742
31121	Flour milling & malt mfg . . . . .	-	14	7	e	D	D	D	D	D	D	D	D
311211	Flour milling . . . . .	-	14	7	e	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg . . . . .	-	11	10	2 378	104 961	1 821	4 176	72 175	697 579	1 537 477	2 228 931	79 236
311221	Wet corn milling . . . . .	-	4	4	g	D	D	D	D	D	D	D	57 789
311222	Soybean processing . . . . .	-	6	5	462	17 978	335	858	12 434	78 443	983 465	1 057 262	D
311225	Fats & oils refining & blending . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg . . . . .	-	43	8	1 527	33 953	1 318	2 334	25 917	168 770	111 244	277 545	8 232
31133	Confectionery mfg from purchased chocolate . . . . .	-	31	5	f	D	D	D	D	D	D	D	1 523
311330	Confectionery mfg from purchased chocolate . . . . .	-	31	5	f	D	D	D	D	D	D	D	1 523
31134	Nonchocolate confectionery mfg . . . . .	-	9	2	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg . . . . .	-	9	2	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg . . . . .	1	25	13	2 033	52 469	1 500	3 085	31 164	241 341	303 045	547 337	33 446
31141	Frozen food mfg . . . . .	-	5	1	136	3 031	93	159	1 767	7 335	7 048	14 156	508
311412	Frozen specialty food mfg . . . . .	-	5	1	136	3 031	93	159	1 767	7 335	7 048	14 156	508
31142	Fruit & vegetable canning, pickling, & drying . . . . .	1	20	12	1 897	49 438	1 407	2 926	29 397	234 006	295 997	533 181	32 938
311421	Fruit & vegetable canning . . . . .	1	15	9	1 300	31 329	938	1 807	19 315	169 334	227 334	400 089	D
311422	Specialty canning . . . . .	2	4	3	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg . . . . .	-	33	21	4 750	180 022	2 118	4 687	64 695	1 286 352	908 499	2 197 874	44 839
31151	Dairy product (except frozen) mfg . . . . .	-	21	17	4 125	161 300	1 583	3 520	50 163	1 160 217	736 358	1 901 584	31 514
311511	Fluid milk mfg . . . . .	1	12	11	1 472	49 332	920	1 983	28 195	82 070	420 861	502 216	D
311513	Cheese mfg . . . . .	-	5	4	e	D	D	D	D	D	D	D	1 594
311514	Dry, condensed, & evaporated dairy product mfg . . . . .	-	3	1	g	D	D	D	D	D	D	D	D
31152	Ice cream & frozen dessert mfg . . . . .	-	12	4	625	18 722	535	1 167	14 532	126 135	172 141	296 290	13 325
311520	Ice cream & frozen dessert mfg . . . . .	-	12	4	625	18 722	535	1 167	14 532	126 135	172 141	296 290	13 325
3116	Meat product mfg . . . . .	-	63	32	7 742	166 800	6 541	13 992	125 323	417 453	1 389 761	1 795 820	18 093
31161	Animal slaughtering & processing . . . . .	-	63	32	7 742	166 800	6 541	13 992	125 323	417 453	1 389 761	1 795 820	18 093
311611	Animal (except poultry) slaughtering . . . . .	-	32	10	3 471	70 012	3 071	6 521	58 024	116 839	865 348	977 438	4 342
311612	Meat processed from carcasses . . . . .	1	15	10	1 326	33 178	1 063	2 308	21 958	131 020	265 228	396 948	7 339
311613	Rendering & meat byproduct processing . . . . .	-	9	6	311	9 998	145	325	4 372	30 415	47 379	77 131	2 979
311615	Poultry processing . . . . .	1	7	6	2 634	53 612	2 262	4 838	40 969	139 179	211 806	344 303	3 433
3118	Bakeries & tortilla mfg . . . . .	-	155	48	7 645	219 461	4 508	8 411	108 299	766 618	504 473	1 269 983	44 145
31181	Bread & bakery product mfg . . . . .	1	136	40	6 117	172 793	3 189	5 784	72 128	496 080	293 846	791 228	23 596
311811	Retail bakeries . . . . .	3	89	11	795	9 526	527	663	5 453	19 187	11 737	30 994	786
311812	Commercial bakeries . . . . .	1	40	23	4 798	151 683	2 293	4 482	58 691	442 834	242 629	687 304	21 140
311813	Frozen cakes, pies, & other pastries mfg . . . . .	-	7	6	524	11 584	369	639	7 984	34 059	39 480	72 930	1 670
31182	Cookie, cracker, & pasta mfg . . . . .	-	16	6	g	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg . . . . .	-	6	3	e	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour . . . . .	-	4	3	f	D	D	D	D	D	D	D	D
31183	Tortilla mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
311830	Tortilla mfg . . . . .	-	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	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 <sup>1</sup>	Total	With 20 employees or more	Number <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
311	Food mfg—Con.												
3119	Other food mfg .....	—	50	26	4 820	144 795	3 678	7 330	85 919	683 421	514 949	1 197 930	45 276
31191	Snack food mfg .....	—	16	9	2 529	72 027	2 074	3 929	45 284	434 760	193 383	627 532	29 127
311919	Other snack food mfg .	—	15	8	h	D	D	D	D	D	D	D	D
31192	Coffee & tea mfg .....	9	2	1	c	D	D	D	D	D	D	D	D
311920	Coffee & tea mfg .....	9	2	1	c	D	D	D	D	D	D	D	D
31193	Flavoring syrup & concentrate mfg .....	—	3	1	e	D	D	D	D	D	D	D	D
311930	Flavoring syrup & concentrate mfg .....	—	3	1	e	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg .....	—	9	3	434	12 854	324	659	8 798	49 942	64 700	114 694	1 864
311941	Mayonnaise, dressing, & other prepared sauce mfg .....	—	6	3	405	12 212	302	621	8 448	48 508	63 179	111 737	1 792
31199	All other food mfg .....	1	20	12	1 418	44 491	1 075	2 278	26 492	170 750	223 960	392 916	11 924
311991	Perishable prepared food mfg .....	—	7	4	414	11 140	327	586	7 835	21 562	33 682	55 325	737
311999	All other miscellaneous food mfg .....	1	13	8	1 004	33 351	748	1 692	18 657	149 188	190 278	337 591	11 187
312	Beverage & tobacco product mfg .....	3	44	21	3 159	112 607	1 785	3 459	56 601	773 339	850 587	1 599 649	42 498
3121	Beverage mfg .....	3	43	20	h	D	D	D	D	D	D	D	42 498
31211	Soft drink & ice mfg .....	3	27	16	2 244	76 635	1 078	2 282	31 963	697 247	789 126	1 483 137	30 921
312111	Soft drink mfg .....	3	13	12	2 026	69 982	973	2 064	29 085	680 285	778 702	1 455 834	29 356
312113	Ice mfg .....	1	12	2	c	D	D	D	D	D	D	D	D
31212	Breweries .....	9	5	1	c	D	D	D	D	D	D	D	D
312120	Breweries .....	9	5	1	c	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
313	Textile mills .....	1	28	7	456	9 690	380	716	6 418	20 827	35 636	56 699	743
3132	Fabric mills .....	—	12	3	279	4 907	247	446	3 899	11 823	15 342	27 183	278
31323	Nonwoven fabric mills . . .	—	3	2	c	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills . . .	—	3	2	c	D	D	D	D	D	D	D	D
3133	Textile & fabric finishing & fabric coating mills .....	1	16	4	177	4 783	133	270	2 519	9 004	20 294	29 516	465
31332	Fabric coating mills .....	—	4	2	100	3 325	68	150	1 527	5 819	18 630	24 710	185
313320	Fabric coating mills . . .	—	4	2	100	3 325	68	150	1 527	5 819	18 630	24 710	185
314	Textile product mills .....	—	137	33	3 627	78 407	3 041	5 411	50 002	174 017	167 945	349 948	9 182
3141	Textile furnishings mills . . .	—	60	15	1 522	27 879	1 321	2 323	19 508	56 042	81 422	148 901	1 716
31411	Carpet & rug mills .....	1	7	1	320	6 979	268	537	4 577	11 185	19 075	29 939	543
314110	Carpet & rug mills .....	1	7	1	320	6 979	268	537	4 577	11 185	19 075	29 939	543
31412	Curtain & linen mills .....	—	53	14	1 202	20 900	1 053	1 786	14 931	44 857	62 347	118 962	1 173
314121	Curtain & drapery mills .....	—	43	6	588	10 805	498	945	7 688	16 421	15 925	32 422	573
314129	Other household textile product mills .....	—	10	8	614	10 095	555	841	7 243	28 436	46 422	86 540	600
3149	Other textile product mills . .	—	77	18	2 105	50 528	1 720	3 088	30 494	117 975	86 523	201 047	7 466
31491	Textile bag & canvas mills .....	1	46	9	1 040	23 971	842	1 517	15 402	45 980	36 096	81 339	3 868
314912	Canvas & related product mills .....	1	42	8	971	22 864	775	1 362	14 375	44 678	35 580	79 518	3 822
31499	All other textile product mills .....	—	31	9	1 065	26 557	878	1 571	15 092	71 995	50 427	119 708	3 598
314992	Tire cord & tire fabric mills .....	—	1	1	c	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills . .	—	30	8	f	D	D	D	D	D	D	D	D
315	Apparel mfg .....	1	81	26	2 525	51 194	1 887	3 754	29 432	117 849	123 064	244 017	5 113
3151	Apparel knitting mills .....	7	5	2	186	2 910	171	280	2 445	5 007	6 837	12 086	401
31519	Other apparel knitting mills .....	9	2	1	c	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills .....	9	2	1	c	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg .....	—	56	20	2 125	44 784	1 544	3 160	24 698	106 085	111 133	220 004	4 429
31521	Cut & sew apparel contractors .....	3	26	3	c	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors . .	4	23	1	143	2 173	126	207	1 480	2 940	1 356	4 287	108



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
315	Apparel mfg—Con.												
3152	Cut & sew apparel mfg—Con.												
31522	Men's & boys' cut & sew apparel mfg.....	-	22	14	1 774	39 247	1 246	2 620	20 752	96 142	105 415	204 466	4 128
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg.....	-	3	2	e	D	D	D	D	D	D	D	104
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg.....	-	3	1	c	D	D	D	D	D	D	D	D
315224	Men's & boys' cut & sew trouser, slack, & jean mfg.....	-	4	4	890	23 072	471	1 124	8 819	53 478	68 523	121 728	D
315225	Men's & boys' cut & sew work clothing mfg.....	1	5	4	255	4 258	243	490	3 696	6 443	11 848	21 353	64
315228	Men's & boys' cut & sew other outerwear mfg.....	1	7	3	106	1 678	86	121	1 113	3 031	1 964	5 078	70
31523	Women's & girls' cut & sew apparel mfg.....	4	5	3	137	2 496	112	191	1 780	5 557	3 592	9 035	156
3159	Apparel accessories & other apparel mfg.....	4	20	4	214	3 500	172	314	2 289	6 757	5 094	11 927	283
31599	Apparel accessories & other apparel mfg.....	4	20	4	214	3 500	172	314	2 289	6 757	5 094	11 927	283
315999	Other apparel accessories & other apparel mfg.....	5	17	2	135	2 547	107	194	1 544	4 917	4 061	8 968	D
316	Leather & allied product mfg.	-	30	13	1 574	30 616	1 337	2 661	22 451	77 354	68 342	146 449	1 583
3161	Leather & hide tanning & finishing.....	-	4	2	c	D	D	D	D	D	D	D	D
31611	Leather & hide tanning & finishing.....	-	4	2	c	D	D	D	D	D	D	D	D
316110	Leather & hide tanning & finishing.....	-	4	2	c	D	D	D	D	D	D	D	D
3162	Footwear mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
31621	Footwear mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
316214	Women's footwear (except athletic) mfg.	-	3	3	f	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg.....	1	22	8	680	13 461	531	1 033	8 251	28 190	22 495	50 788	835
31699	Other leather & allied product mfg.....	1	22	8	680	13 461	531	1 033	8 251	28 190	22 495	50 788	835
316991	Luggage mfg.....	2	8	5	307	6 133	259	447	3 660	11 649	8 419	19 956	347
316993	Personal leather good (except women's handbag & purse) mfg.....	-	3	1	c	D	D	D	D	D	D	D	D
316999	All other leather good mfg.....	1	10	2	c	D	D	D	D	D	D	D	D
321	Wood product mfg.....	1	601	220	21 692	563 481	17 894	35 183	411 198	1 234 961	1 943 686	3 167 438	71 747
3211	Sawmills & wood preservation.....	1	125	30	1 987	43 740	1 651	3 161	32 926	111 782	202 482	312 022	11 576
32111	Sawmills & wood preservation.....	1	125	30	1 987	43 740	1 651	3 161	32 926	111 782	202 482	312 022	11 576
321113	Sawmills.....	2	120	25	1 829	39 491	1 518	2 889	29 836	95 066	119 395	211 461	10 191
321114	Wood preservation...	-	5	5	158	4 249	133	272	3 090	16 716	83 087	100 561	1 385
3212	Veneer, plywood, & engineered wood product mfg.....	-	69	39	3 703	90 445	3 118	6 166	63 688	180 527	263 177	440 256	13 829
32121	Veneer, plywood, & engineered wood product mfg.....	-	69	39	3 703	90 445	3 118	6 166	63 688	180 527	263 177	440 256	13 829
321211	Hardwood veneer & plywood mfg.....	-	28	24	2 485	60 969	2 143	4 289	42 927	115 966	163 992	277 385	8 867
321214	Truss mfg.....	1	26	10	781	17 896	602	1 126	11 754	36 619	55 911	92 000	D
321219	Reconstituted wood product mfg.....	2	14	5	e	D	D	D	D	D	D	D	3 230
3219	Other wood product mfg....	1	407	151	16 002	429 296	13 125	25 856	314 584	942 652	1 478 027	2 415 160	46 342
32191	Millwork.....	-	128	66	5 299	131 057	4 376	8 874	95 031	285 817	503 126	782 952	20 362
321911	Wood window & door mfg.....	-	31	20	1 772	42 062	1 389	2 618	28 593	97 790	147 669	243 359	4 406
321912	Cut stock, resawing lumber, & planing....	-	52	29	2 312	61 025	1 950	4 260	45 588	129 908	275 347	402 838	12 736
321918	Other millwork (including flooring)...	-	45	17	1 215	27 970	1 037	1 996	20 850	58 119	80 110	136 755	3 220
32192	Wood container & pallet mfg.....	3	136	31	1 968	35 034	1 587	2 897	25 736	76 231	86 220	162 054	5 087
321920	Wood container & pallet mfg.....	3	136	31	1 968	35 034	1 587	2 897	25 736	76 231	86 220	162 054	5 087

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
321	Wood product mfg—Con.												
3219	Other wood product mfg—Con.												
32199	All other wood product mfg .....	1	143	54	8 735	263 205	7 162	14 085	193 817	580 604	888 681	1 470 154	20 893
321991	Manufactured home (mobile home) mfg ..	1	38	33	6 679	214 198	5 522	11 064	162 059	483 384	770 132	1 254 600	16 931
321992	Prefabricated wood building mfg .....	—	23	8	1 004	30 546	788	1 570	18 505	56 392	78 606	135 353	1 775
321999	All other miscellaneous wood product mfg ...	2	82	13	1 052	18 461	852	1 451	13 253	40 828	39 943	80 201	2 187
322	Paper mfg .....	—	168	128	13 311	431 636	9 898	20 503	277 790	1 206 840	1 594 618	2 765 357	91 726
3221	Pulp, paper, & paperboard mills .....	—	11	11	1 163	45 980	893	2 017	32 553	113 110	181 403	293 857	19 945
32212	Paper mills .....	—	2	2	c	D	D	D	D	D	D	D	D
322121	Paper (except newsprint) mills .....	—	2	2	c	D	D	D	D	D	D	D	D
32213	Paperboard mills .....	—	8	8	f	D	D	D	D	D	D	D	D
322130	Paperboard mills .....	—	8	8	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg .....	—	157	117	12 148	385 656	9 005	18 486	245 237	1 093 730	1 413 215	2 471 500	71 781
32221	Paperboard container mfg .....	—	100	76	7 532	251 033	5 649	11 574	160 034	581 076	841 248	1 417 389	46 744
322211	Corrugated & solid fiber box mfg .....	—	67	52	4 571	145 956	3 402	6 582	90 035	331 056	560 933	890 872	28 549
322212	Folding paperboard box mfg .....	1	18	15	2 219	84 132	1 589	3 599	52 416	178 117	191 967	368 988	14 179
322213	Setup paperboard box mfg .....	—	5	3	154	3 062	123	228	1 999	6 029	4 006	9 906	D
322214	Fiber can, tube, drum, & similar products mfg .....	—	7	3	313	11 065	278	633	9 296	30 915	47 360	78 192	D
322215	Nonfolding sanitary food container mfg ...	—	3	3	275	6 818	257	532	6 288	34 959	36 982	69 431	1 449
32222	Paper bag & coated & treated paper mfg .....	—	25	19	2 178	73 183	1 668	3 543	50 620	321 408	397 913	692 180	15 077
322221	Coated & laminated packaging paper & plastics film mfg .....	—	3	3	515	17 386	404	909	12 335	48 734	74 043	122 041	D
322222	Coated & laminated paper mfg .....	—	18	13	1 204	43 774	863	1 797	29 140	234 453	265 741	473 625	6 927
322223	Plastics, foil, & coated paper bag mfg .....	—	1	1	c	D	D	D	D	D	D	D	D
322224	Uncoated paper & multiwall bag mfg .....	—	2	1	c	D	D	D	D	D	D	D	D
322226	Surface-coated paperboard mfg .....	—	1	1	c	D	D	D	D	D	D	D	D
32223	Stationery product mfg ..	—	15	9	1 047	24 165	641	1 252	14 511	80 989	85 296	164 815	3 309
322231	Die-cut paper & paperboard office supplies mfg .....	—	8	3	192	4 016	149	296	2 853	28 502	45 851	74 488	D
322232	Envelope mfg .....	—	4	4	e	D	D	D	D	D	D	D	2 281
322233	Stationery, tablet, & related product mfg ..	—	3	2	e	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg .....	—	17	13	1 391	37 275	1 047	2 117	20 072	110 257	88 758	197 116	6 651
322291	Sanitary paper product mfg .....	—	1	1	c	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg ...	—	16	12	g	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	1	858	201	22 218	648 187	16 682	32 686	430 454	1 472 932	1 241 279	2 715 777	112 718
3231	Printing & related support activities .....	1	858	201	22 218	648 187	16 682	32 686	430 454	1 472 932	1 241 279	2 715 777	112 718
32311	Printing .....	1	767	169	19 635	581 840	14 667	28 990	387 182	1 347 061	1 191 347	2 536 167	102 690
323110	Commercial lithographic printing ..	1	396	103	8 171	251 261	5 820	11 787	155 700	493 283	480 061	970 386	47 383
323111	Commercial gravure printing .....	—	12	4	2 038	76 134	1 787	4 068	63 128	184 567	201 591	385 357	21 517
323112	Commercial flexographic printing .	1	25	10	1 256	36 155	924	1 817	23 464	86 491	65 903	151 959	5 438
323113	Commercial screen printing .....	—	65	9	1 443	33 324	1 051	1 833	17 843	99 859	121 886	220 634	4 399
323114	Quick printing .....	2	157	7	1 106	24 354	709	950	12 780	47 519	26 616	73 777	2 746
323115	Digital printing .....	4	7	4	c	D	D	D	D	D	D	D	D
323116	Manifold business form printing .....	4	22	17	1 485	47 042	1 122	2 275	32 700	176 674	113 594	292 974	8 341
323117	Book printing .....	—	10	4	h	D	D	D	D	D	D	D	8 069
323118	Blankbook, looseleaf binder, & device mfg .	—	3	3	413	12 401	300	675	7 616	23 195	27 359	49 326	D
323119	Other commercial printing .....	5	70	8	917	20 634	646	1 170	12 937	50 862	24 542	75 572	2 293
32312	Support activities for printing .....	1	91	32	2 583	66 347	2 015	3 696	43 272	125 871	49 932	179 610	10 028
323121	Tradebinding & related work .....	1	34	18	1 775	38 836	1 439	2 613	27 098	71 521	36 483	111 767	6 899
323122	Prepress services .....	3	57	14	808	27 511	576	1 083	16 174	54 350	13 449	67 843	3 129

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
324	Petroleum & coal products mfg .....	—	61	16	3 238	155 597	2 589	5 424	117 546	926 638	3 668 450	4 606 223	90 968
3241	Petroleum & coal products mfg .....	—	61	16	3 238	155 597	2 589	5 424	117 546	926 638	3 668 450	4 606 223	90 968
32411	Petroleum refineries .....	—	3	2	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	—	3	2	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, & saturated materials mfg .....	—	43	8	g	D	D	D	D	D	D	D	D
324121	Asphalt paving mixture & block mfg .....	1	34	3	e	D	D	D	D	D	D	D	D
324122	Asphalt shingle & coating materials mfg .....	—	9	5	871	30 456	738	1 589	24 143	151 052	150 673	301 343	7 429
32419	Other petroleum & coal products mfg .....	1	15	6	e	D	D	D	D	D	D	D	11 885
324191	Petroleum lubricating oil & grease mfg .....	1	14	6	e	D	D	D	D	D	D	D	D
325	Chemical mfg .....	—	310	146	21 869	1 073 936	13 277	26 510	555 296	8 831 369	4 965 203	13 319 124	571 377
3251	Basic chemical mfg .....	—	63	28	2 862	130 910	1 442	3 111	66 800	663 294	534 313	1 199 340	111 177
32512	Industrial gas mfg .....	—	21	6	466	20 451	141	350	6 221	205 331	90 938	296 776	60 098
325120	Industrial gas mfg .....	—	21	6	466	20 451	141	350	6 221	205 331	90 938	296 776	60 098
32513	Dye & pigment mfg .....	2	2	2	c	D	D	D	D	D	D	D	D
325131	Inorganic dye & pigment mfg .....	2	2	2	c	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical mfg .....	1	21	11	672	30 897	426	996	17 742	138 797	109 542	248 330	16 863
325188	All other basic inorganic chemical mfg .....	1	21	11	672	30 897	426	996	17 742	138 797	109 542	248 330	16 863
32519	Other basic organic chemical mfg .....	—	18	8	1 539	71 989	751	1 496	38 000	254 957	300 377	558 145	32 074
325193	Ethyl alcohol mfg .....	—	1	1	c	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg .....	1	15	7	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg .....	—	22	16	2 974	134 627	1 973	4 088	87 276	778 383	851 603	1 598 670	72 374
32521	Resin & synthetic rubber mfg .....	—	22	16	2 974	134 627	1 973	4 088	87 276	778 383	851 603	1 598 670	72 374
325211	Plastics material & resin mfg .....	—	15	13	2 711	126 395	1 795	3 716	81 412	749 929	779 543	1 498 419	68 928
325212	Synthetic rubber mfg ..	—	7	3	263	8 232	178	372	5 864	28 454	72 060	100 251	3 446
3253	Pesticide, fertilizer, & other agricultural chemical mfg ..	1	13	2	219	4 894	145	239	2 714	31 519	33 305	65 301	1 869
32531	Fertilizer mfg .....	1	12	2	c	D	D	D	D	D	D	D	D
325314	Fertilizer (mixing only) mfg .....	1	10	2	c	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	—	29	16	7 514	499 232	4 617	9 579	243 413	6 271 251	2 005 197	7 834 396	312 100
32541	Pharmaceutical & medicine mfg .....	—	29	16	7 514	499 232	4 617	9 579	243 413	6 271 251	2 005 197	7 834 396	312 100
325411	Medicinal & botanical mfg .....	—	2	2	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg .....	—	18	11	h	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg .....	—	3	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg .....	1	65	33	2 809	98 212	1 789	2 883	49 434	245 546	316 475	567 194	20 389
32551	Paint & coating mfg .....	1	42	24	2 021	73 352	1 260	1 800	35 765	179 235	234 686	419 762	10 274
325510	Paint & coating mfg ...	1	42	24	2 021	73 352	1 260	1 800	35 765	179 235	234 686	419 762	10 274
32552	Adhesive mfg .....	2	23	9	788	24 860	529	1 083	13 669	66 311	81 789	147 432	10 115
325520	Adhesive mfg .....	2	23	9	788	24 860	529	1 083	13 669	66 311	81 789	147 432	10 115
3256	Soap, cleaning compound, & toilet preparation mfg ..	3	46	20	2 957	120 290	1 679	3 662	62 990	451 073	448 614	892 588	20 998
32561	Soap & cleaning compound mfg .....	3	42	18	g	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg .....	3	21	9	1 713	85 625	1 052	2 363	50 362	353 547	325 285	671 349	16 099
325612	Polish & other sanitation good mfg ...	2	19	9	691	22 391	353	746	7 762	56 935	54 344	111 256	D
32562	Toilet preparation mfg ...	8	4	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg .	8	4	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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
325	Chemical mfg—Con.												
3259	Other chemical product mfg . . . . .	—	72	31	2 534	85 771	1 632	2 948	42 669	390 303	775 696	1 161 635	32 470
32591	Printing ink mfg . . . . .	—	11	5	413	14 440	235	501	8 350	130 796	329 563	462 463	D
325910	Printing ink mfg . . . . .	—	11	5	413	14 440	235	501	8 350	130 796	329 563	462 463	D
32599	All other chemical product & preparation mfg . . . . .	—	59	26	g	D	D	D	D	D	D	D	21 538
325991	Custom compounding of purchased resin . . . . .	—	29	16	1 393	51 599	918	1 707	25 559	178 697	345 358	522 055	13 369
325992	Photographic film, paper, plate, & chemical mfg . . . . .	1	4	1	c	D	D	D	D	D	D	D	868
325998	All other miscellaneous chemical product & preparation mfg . . . . .	3	26	9	483	16 133	316	614	6 907	73 302	91 950	160 530	7 301
326	Plastics & rubber products mfg . . . . .	1	637	410	54 855	1 484 357	44 857	89 792	1 043 489	3 718 660	3 591 740	7 323 102	430 298
3261	Plastics product mfg . . . . .	1	510	346	41 814	1 111 926	33 908	67 703	768 397	2 900 184	2 919 273	5 826 907	358 947
32611	Unsupported plastics film, sheet, & bag mfg . . . . .	—	46	33	5 220	169 355	4 176	8 547	122 433	475 563	550 035	1 039 160	104 750
326111	Unsupported plastics bag mfg . . . . .	—	10	7	2 085	65 575	1 738	3 394	51 943	160 114	213 766	375 912	39 674
326112	Unsupported plastics packaging film & sheet mfg . . . . .	8	8	5	348	10 481	274	635	7 679	23 063	31 081	55 760	7 142
326113	Unsupported plastics film & sheet (except packaging) mfg . . . . .	—	28	21	2 787	93 299	2 164	4 518	62 811	292 386	305 188	607 488	57 934
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg . . . . .	1	46	26	2 109	58 180	1 659	3 248	38 349	179 755	181 853	357 949	20 794
326121	Unsupported plastics profile shape mfg . . . . .	1	31	14	1 182	34 476	907	1 770	21 458	79 847	53 439	132 635	4 627
326122	Plastics pipe & pipe fitting mfg . . . . .	1	15	12	927	23 704	752	1 478	16 891	99 908	128 414	225 314	16 167
32613	Laminated plastics plate, sheet, & shape mfg . . . . .	1	14	8	678	22 752	457	886	11 877	54 334	67 814	120 175	4 352
326130	Laminated plastics plate, sheet, & shape mfg . . . . .	1	14	8	678	22 752	457	886	11 877	54 334	67 814	120 175	4 352
32614	Polystyrene foam product mfg . . . . .	2	17	13	1 577	43 447	1 265	2 727	31 098	140 148	117 265	259 800	9 847
326140	Polystyrene foam product mfg . . . . .	2	17	13	1 577	43 447	1 265	2 727	31 098	140 148	117 265	259 800	9 847
32615	Urethane & other foam product (except polystyrene) mfg . . . . .	2	25	21	1 788	46 418	1 414	2 340	27 938	144 156	258 906	401 025	10 514
326150	Urethane & other foam product (except polystyrene) mfg . . . . .	2	25	21	1 788	46 418	1 414	2 340	27 938	144 156	258 906	401 025	10 514
32616	Plastics bottle mfg . . . . .	2	15	11	1 342	36 560	1 190	2 354	28 904	108 317	100 727	207 404	17 948
326160	Plastics bottle mfg . . . . .	2	15	11	1 342	36 560	1 190	2 354	28 904	108 317	100 727	207 404	17 948
32619	Other plastics product mfg . . . . .	1	347	234	29 100	735 214	23 747	47 601	507 798	1 797 911	1 642 673	3 441 394	190 742
326191	Plastics plumbing fixture mfg . . . . .	—	16	9	995	23 459	835	1 536	16 659	45 704	33 853	80 293	2 882
326199	All other plastics product mfg . . . . .	1	331	225	28 105	711 755	22 912	46 065	491 139	1 752 207	1 608 820	3 361 101	187 860
3262	Rubber product mfg . . . . .	—	127	64	13 041	372 431	10 949	22 089	275 092	818 476	672 467	1 496 195	71 351
32621	Tire mfg . . . . .	—	33	5	1 877	65 339	1 622	2 696	52 617	101 167	124 557	240 947	11 838
326211	Tire mfg (except retreading) . . . . .	—	6	2	g	D	D	D	D	D	D	D	D
326212	Tire retreading . . . . .	2	27	3	c	D	D	D	D	D	D	D	D
32622	Rubber & plastics hoses & belting mfg . . . . .	—	3	2	127	4 088	119	198	2 838	13 543	5 892	19 883	374
326220	Rubber & plastics hoses & belting mfg . . . . .	—	3	2	127	4 088	119	198	2 838	13 543	5 892	19 883	374
32629	Other rubber product mfg . . . . .	—	91	57	11 037	303 004	9 208	19 195	219 637	703 766	542 018	1 235 365	59 139
326291	Rubber product mfg for mechanical use . . . . .	—	53	40	8 213	229 589	6 800	13 935	164 177	565 489	413 579	967 965	44 586
326299	All other rubber product mfg . . . . .	1	38	17	2 824	73 415	2 408	5 260	55 460	138 277	128 439	267 400	14 553

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANA—Con.</b>												
	<b>Manufacturing—Con.</b>												
327	Nonmetallic mineral product mfg . . . . .	-	467	176	18 514	622 439	14 673	30 605	450 824	1 742 355	1 480 137	3 249 942	160 509
3271	Clay product & refractory mfg . . . . .	1	46	15	g	D	D	D	D	D	D	D	5 846
32711	Pottery, ceramics, & plumbing fixture mfg . . . . .	-	15	4	e	D	D	D	D	D	D	D	3 421
327111	Vitreous china plumbing fixture & bathroom accessories mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
32712	Clay building material & refractories mfg . . . . .	1	31	11	881	25 467	688	1 387	18 309	77 950	41 137	119 007	2 425
327121	Brick & structural clay tile mfg . . . . .	-	5	2	c	D	D	D	D	D	D	D	D
327122	Ceramic wall & floor tile mfg . . . . .	-	5	1	146	3 718	117	251	2 457	6 217	5 398	11 629	247
327124	Clay refractory mfg . . . . .	3	10	3	254	7 347	193	364	5 347	22 167	16 582	39 539	890
327125	Nonclay refractory mfg . . . . .	-	9	4	231	8 012	172	376	5 701	30 812	14 424	45 336	938
3272	Glass & glass product mfg . . . . .	-	64	30	7 454	239 768	6 367	13 132	191 284	663 509	566 779	1 245 465	54 991
32721	Glass & glass product mfg . . . . .	-	64	30	7 454	239 768	6 367	13 132	191 284	663 509	566 779	1 245 465	54 991
327212	Other pressed & blown glass & glassware mfg . . . . .	-	2	1	f	D	D	D	D	D	D	D	D
327213	Glass container mfg . . . . .	-	5	5	g	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass . . . . .	-	56	23	4 979	152 368	4 134	8 957	115 195	403 075	432 514	836 445	28 749
3273	Cement & concrete product mfg . . . . .	1	270	81	5 113	174 994	3 700	7 589	113 203	538 108	440 803	985 124	56 158
32731	Cement mfg . . . . .	-	7	5	677	27 290	508	1 001	18 565	160 874	77 567	244 562	16 257
327310	Cement mfg . . . . .	-	7	5	677	27 290	508	1 001	18 565	160 874	77 567	244 562	16 257
32732	Ready-mix concrete mfg . . . . .	2	141	40	2 202	81 374	1 722	3 574	56 712	239 651	237 420	477 107	25 128
327320	Ready-mix concrete mfg . . . . .	2	141	40	2 202	81 374	1 722	3 574	56 712	239 651	237 420	477 107	25 128
32733	Concrete pipe, brick, & block mfg . . . . .	1	34	17	889	26 454	544	1 116	15 308	60 062	65 490	124 947	8 692
327331	Concrete block & brick mfg . . . . .	2	22	10	482	15 577	267	580	8 049	32 821	42 035	74 170	3 195
327332	Concrete pipe mfg . . . . .	1	12	7	407	10 877	277	536	7 259	27 241	23 455	50 777	5 497
32739	Other concrete product mfg . . . . .	1	88	19	1 345	39 876	926	1 898	22 618	77 521	60 326	138 508	6 081
327390	Other concrete product mfg . . . . .	1	88	19	1 345	39 876	926	1 898	22 618	77 521	60 326	138 508	6 081
3274	Lime & gypsum product mfg . . . . .	-	12	8	f	D	D	D	D	D	D	D	8 688
32742	Gypsum product mfg . . . . .	-	10	7	915	34 678	765	1 799	25 834	113 590	153 004	265 577	D
327420	Gypsum product mfg . . . . .	-	10	7	915	34 678	765	1 799	25 834	113 590	153 004	265 577	D
3279	Other nonmetallic mineral product mfg . . . . .	-	75	42	3 621	131 206	2 728	5 834	89 947	304 354	245 101	556 862	34 826
32791	Abrasive product mfg . . . . .	1	10	7	280	9 097	223	421	6 176	21 695	9 500	30 937	1 187
327910	Abrasive product mfg . . . . .	1	10	7	280	9 097	223	421	6 176	21 695	9 500	30 937	1 187
32799	All other nonmetallic mineral product mfg . . . . .	-	65	35	3 341	122 109	2 505	5 413	83 771	282 659	235 601	525 925	33 639
327991	Cut stone & stone product mfg . . . . .	-	31	14	848	26 924	670	1 373	19 468	47 122	32 155	79 664	2 651
327992	Ground or treated mineral & earth mfg . . . . .	-	15	9	603	23 775	423	1 010	15 880	58 922	42 201	100 891	5 448
327993	Mineral wool mfg . . . . .	-	14	10	1 811	68 995	1 359	2 932	47 122	167 931	150 821	326 378	25 165
331	Primary metal mfg . . . . .	-	250	189	63 260	2 970 119	50 063	109 302	2 249 845	8 430 483	10 946 090	19 288 370	1 014 682
3311	Iron & steel mills & ferroalloy mfg . . . . .	-	18	15	30 605	1 689 945	23 336	51 383	1 291 283	5 204 237	6 148 733	11 298 600	696 486
33111	Iron & steel mills & ferroalloy mfg . . . . .	-	18	15	30 605	1 689 945	23 336	51 383	1 291 283	5 204 237	6 148 733	11 298 600	696 486
331111	Iron & steel mills . . . . .	-	18	15	30 605	1 689 945	23 336	51 383	1 291 283	5 204 237	6 148 733	11 298 600	696 486
3312	Steel product mfg from purchased steel . . . . .	-	34	29	3 587	121 230	2 856	6 128	91 728	332 957	592 426	923 534	25 132
33121	Iron & steel pipes & tubes mfg from purchased steel . . . . .	-	17	14	1 731	51 239	1 375	2 873	37 884	145 155	267 113	413 226	14 375
331210	Iron & steel pipes & tubes mfg from purchased steel . . . . .	-	17	14	1 731	51 239	1 375	2 873	37 884	145 155	267 113	413 226	14 375
33122	Rolling & drawing of purchased steel . . . . .	-	17	15	1 856	69 991	1 481	3 255	53 844	187 802	325 313	510 308	10 757
331221	Cold-rolled steel shape mfg . . . . .	-	6	4	677	33 591	554	1 252	26 538	74 203	207 208	279 298	1 209
331222	Steel wire drawing . . . . .	-	11	11	1 179	36 400	927	2 003	27 306	113 599	118 105	231 010	9 548



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
331	Primary metal mfg—Con.												
3313	Alumina & aluminum production & processing . . .	-	32	29	6 571	290 011	5 243	11 211	205 542	1 084 380	1 806 400	2 849 367	98 173
33131	Alumina & aluminum production & processing . . .	-	32	29	6 571	290 011	5 243	11 211	205 542	1 084 380	1 806 400	2 849 367	98 173
331311	Alumina refining . . . . .	-	1	1	c	D	D	D	D	D	D	D	D
331312	Primary aluminum production . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
331314	Secondary smelting & alloying of aluminum . . .	-	12	9	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg . . . . .	-	3	3	1 949	103 893	1 528	3 157	72 983	430 813	939 702	1 337 629	37 943
331316	Aluminum extruded product mfg . . . . .	-	14	14	2 720	101 817	2 227	4 804	73 029	310 633	333 156	631 163	24 841
3314	Nonferrous metal (except aluminum) production & processing . . . . .	-	42	30	4 853	186 020	3 820	8 005	130 273	457 870	1 190 536	1 661 707	48 758
33142	Copper rolling, drawing, extruding, & alloying . . .	-	9	8	1 291	49 269	1 050	2 259	36 764	170 909	425 938	601 638	13 889
331421	Copper rolling, drawing, & extruding . . .	-	4	4	f	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing . . .	-	4	3	e	D	D	D	D	D	D	D	3 749
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . .	-	33	22	3 562	136 751	2 770	5 746	93 509	286 961	764 598	1 060 069	34 869
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	-	21	17	3 023	119 109	2 410	5 024	84 102	210 324	631 956	851 769	27 204
331492	Other nonferrous metal secondary smelting, refining, & alloying . . .	-	12	5	539	17 642	360	722	9 407	76 637	132 642	208 300	7 665
3315	Foundries . . . . .	-	124	86	17 644	682 913	14 808	32 575	531 019	1 351 039	1 207 995	2 555 162	146 133
33151	Ferrous metal foundries . . . . .	-	58	44	11 200	447 349	9 307	21 133	346 296	905 010	583 540	1 483 962	86 863
331511	Iron foundries . . . . .	-	46	34	8 822	364 860	7 394	17 097	289 048	732 325	482 293	1 212 943	73 972
331512	Steel investment foundries . . . . .	-	6	5	1 026	36 349	800	1 656	24 882	86 956	46 126	130 745	3 808
331513	Steel foundries (except investment) . . . . .	-	6	5	1 352	46 140	1 113	2 380	32 366	85 729	55 121	140 274	9 083
33152	Nonferrous metal foundries . . . . .	-	66	42	6 444	235 564	5 501	11 442	184 723	446 029	624 455	1 071 200	59 270
331521	Aluminum die-casting foundries . . . . .	-	16	13	2 824	123 771	2 467	5 117	99 245	185 718	337 036	524 564	45 005
331522	Nonferrous (except aluminum) die-casting foundries . . . . .	-	7	4	381	9 200	337	681	7 316	30 325	20 114	50 249	293
331524	Aluminum foundries (except die-casting) . . .	-	29	16	2 667	84 975	2 205	4 764	64 441	199 743	243 996	442 900	13 072
331525	Copper foundries (except die-casting) . . .	-	10	8	508	15 793	443	777	12 491	26 795	21 164	47 885	795
332	Fabricated metal product mfg . . . . .	-	1 897	745	69 314	2 165 515	53 628	108 299	1 454 503	5 658 024	5 051 757	10 670 604	420 270
3321	Forging & stamping . . . . .	-	114	69	6 558	215 854	4 999	10 450	152 628	554 712	643 162	1 176 485	67 185
33211	Forging & stamping . . . . .	-	114	69	6 558	215 854	4 999	10 450	152 628	554 712	643 162	1 176 485	67 185
332111	Iron & steel forging . . . . .	-	15	11	1 105	37 861	810	1 798	26 449	94 439	134 437	218 542	10 584
332114	Custom roll forming . . . . .	-	13	9	681	19 791	502	1 032	13 879	55 133	159 138	208 616	D
332115	Crown & closure mfg . . . . .	-	6	4	f	D	D	D	D	D	D	D	D
332116	Metal stamping . . . . .	1	71	38	2 840	76 171	2 196	4 272	52 129	181 454	167 140	346 276	19 007
332117	Powder metallurgy part mfg . . . . .	-	8	6	1 188	53 567	892	2 210	40 561	147 177	84 279	225 369	13 351
3322	Cutlery & handtool mfg . . . . .	1	41	18	1 953	61 995	1 431	3 011	38 118	159 774	115 793	270 446	8 547
33221	Cutlery & handtool mfg . . . . .	1	41	18	1 953	61 995	1 431	3 011	38 118	159 774	115 793	270 446	8 547
332211	Cutlery & flatware (except precious) mfg . . . . .	-	3	1	c	D	D	D	D	D	D	D	D
332212	Hand & edge tool mfg . . . . .	3	31	13	1 161	35 032	862	1 803	22 194	81 691	51 886	133 091	2 828
332213	Saw blade & handsaw mfg . . . . .	-	4	2	119	4 414	55	105	1 502	4 321	3 190	7 511	D
332214	Kitchen utensil, pot, & pan mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg . . . . .	-	344	169	12 863	380 955	9 739	19 584	243 014	931 213	1 139 861	2 059 942	43 543
33231	Plate work & fabricated structural product mfg . . .	-	143	69	4 581	143 836	3 452	6 801	91 744	384 508	540 828	918 149	15 710
332311	Prefabricated metal building & component mfg . . . . .	-	11	6	634	19 944	452	919	12 198	60 947	106 372	164 701	1 813
332312	Fabricated structural metal mfg . . . . .	-	101	52	3 184	101 711	2 447	4 813	65 557	285 710	397 822	679 037	11 471
332313	Plate work mfg . . . . .	1	31	11	763	22 181	553	1 069	13 989	37 851	36 634	74 411	2 426

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANA—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3323	Architectural & structural metals mfg—Con.												
33232	Ornamental & architectural metal products mfg. ....	-	201	100	8 282	237 119	6 287	12 783	151 270	546 705	599 033	1 141 793	27 833
332321	Metal window & door mfg. ....	-	39	21	2 657	69 191	2 152	4 305	46 493	207 421	300 878	507 634	6 143
332322	Sheet metal work mfg.	1	127	66	4 473	137 066	3 357	7 015	87 197	281 302	243 864	522 914	17 416
332323	Ornamental & architectural metal work mfg. ....	1	35	13	1 152	30 862	778	1 463	17 580	57 982	54 291	111 245	4 274
3324	Boiler, tank, & shipping container mfg. ....	-	49	27	2 744	92 562	2 234	4 522	67 853	288 192	426 201	706 228	10 626
33241	Power boiler & heat exchanger mfg. ....	-	7	4	399	12 462	332	664	8 868	24 073	24 110	47 596	1 018
332410	Power boiler & heat exchanger mfg. ....	-	7	4	399	12 462	332	664	8 868	24 073	24 110	47 596	1 018
33242	Metal tank (heavy gauge) mfg. ....	-	23	12	1 154	35 278	907	1 803	24 630	70 846	63 412	135 306	2 490
332420	Metal tank (heavy gauge) mfg. ....	-	23	12	1 154	35 278	907	1 803	24 630	70 846	63 412	135 306	2 490
33243	Metal can, box, & other metal container (light gauge) mfg. ....	-	19	11	1 191	44 822	995	2 055	34 355	193 273	338 679	523 326	7 118
332431	Metal can mfg. ....	-	5	5	542	26 177	438	891	21 054	135 841	280 051	414 517	4 663
332439	Other metal container mfg. ....	1	14	6	649	18 645	557	1 164	13 301	57 432	58 628	108 809	2 455
3325	Hardware mfg. ....	-	42	32	5 463	163 814	4 363	8 748	106 040	459 757	322 324	773 779	39 516
33251	Hardware mfg. ....	-	42	32	5 463	163 814	4 363	8 748	106 040	459 757	322 324	773 779	39 516
332510	Hardware mfg. ....	-	42	32	5 463	163 814	4 363	8 748	106 040	459 757	322 324	773 779	39 516
3326	Spring & wire product mfg.	-	72	37	4 353	116 193	3 585	7 036	82 850	277 146	232 852	508 412	16 090
33261	Spring & wire product mfg. ....	-	72	37	4 353	116 193	3 585	7 036	82 850	277 146	232 852	508 412	16 090
332611	Spring (heavy gauge) mfg. ....	-	8	4	615	20 058	510	1 095	15 131	38 923	39 287	78 631	1 681
332612	Spring (light gauge) mfg. ....	-	18	9	1 170	37 316	974	1 971	25 863	96 842	58 770	154 713	7 572
332618	Other fabricated wire product mfg. ....	-	46	24	2 568	58 819	2 101	3 970	41 856	141 381	134 795	275 068	6 837
3327	Machine shops, turned product, & screw, nut, & bolt mfg. ....	1	785	183	14 055	441 855	11 007	21 999	299 497	909 005	558 520	1 466 632	95 062
33271	Machine shops. ....	1	666	125	8 745	269 951	6 840	13 098	179 990	514 934	263 002	775 754	48 192
332710	Machine shops. ....	1	666	125	8 745	269 951	6 840	13 098	179 990	514 934	263 002	775 754	48 192
33272	Turned product & screw, nut, & bolt mfg. ....	-	119	58	5 310	171 904	4 167	8 901	119 507	394 071	295 518	690 878	46 870
332721	Precision turned product mfg. ....	-	87	39	3 683	116 815	2 936	6 080	81 306	230 415	108 334	339 769	31 872
332722	Bolt, nut, screw, rivet, & washer mfg. ....	-	32	19	1 627	55 089	1 231	2 821	38 201	163 656	187 184	351 109	14 998
3328	Coating, engraving, heat treating, & allied activities.	-	233	107	8 493	269 474	6 619	12 785	183 009	844 539	794 655	1 635 400	70 330
33281	Coating, engraving, heat treating, & allied activities. ....	-	233	107	8 493	269 474	6 619	12 785	183 009	844 539	794 655	1 635 400	70 330
332811	Metal heat treating. ....	-	51	24	1 791	73 712	1 347	2 893	50 570	250 615	175 924	424 645	23 493
332812	Metal coating/engraving (exc jewelry/silverware)/allied services. ....	-	78	40	3 821	116 575	2 985	5 560	80 649	434 002	557 008	988 609	31 452
332813	Electroplating, plating, polishing, anodizing, & coloring. ....	1	104	43	2 881	79 187	2 287	4 332	51 790	159 922	61 723	222 146	15 385
3329	Other fabricated metal product mfg. ....	-	217	103	12 832	422 813	9 651	20 164	281 494	1 233 686	818 389	2 073 280	69 371
33291	Metal valve mfg. ....	-	41	32	4 692	164 012	3 696	8 216	119 689	594 766	417 382	1 035 133	24 926
332911	Industrial valve mfg. ....	-	8	7	1 275	42 210	991	2 023	28 907	102 604	63 586	163 395	1 772
332912	Fluid power valve & hose fitting mfg. ....	-	15	10	863	30 477	652	1 325	20 182	114 024	109 967	259 695	7 632
332913	Plumbing fixture fitting & trim mfg. ....	-	10	10	1 792	62 490	1 508	3 670	50 275	299 949	197 966	494 588	3 283
332919	Other metal valve & pipe fitting mfg. ....	-	8	5	762	28 835	545	1 198	20 325	78 189	45 863	117 455	12 239
33299	All other fabricated metal product mfg. ....	-	176	71	8 140	258 801	5 955	11 948	161 805	638 920	401 007	1 038 147	44 445
332991	Ball & roller bearing mfg. ....	-	10	10	2 387	89 052	1 811	3 578	58 994	277 109	116 718	393 253	17 123
332993	Ammunition (except small arms) mfg. ....	-	1	1	c	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg. ....	-	26	14	1 238	34 708	1 003	2 146	24 755	75 934	59 622	132 540	6 241
332997	Industrial pattern mfg.	-	33	7	416	17 971	338	650	13 599	27 291	7 932	34 873	2 809
332998	Enameled iron & metal sanitary ware mfg. ....	-	4	2	119	4 127	71	150	1 841	7 138	6 487	13 471	D
332999	All other miscellaneous fabricated metal product mfg. ....	-	97	36	3 686	105 409	2 688	5 346	61 672	244 793	206 772	453 891	17 976

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANA—Con. Manufacturing— Con.</b>												
333	Machinery mfg .....	-	1 064	425	49 829	1 828 861	35 628	71 995	1 140 945	5 136 889	5 374 864	10 524 471	321 883
3331	Agriculture, construction, & mining machinery mfg. ....	-	77	35	3 949	117 910	2 927	5 713	73 130	314 711	284 568	596 797	26 102
33311	Agricultural implement mfg .....	-	46	21	2 596	73 868	2 027	3 861	48 077	215 153	200 913	414 831	21 731
333111	Farm machinery & equipment mfg .....	1	37	15	1 614	52 223	1 166	2 314	30 989	163 139	138 664	300 438	19 326
333112	Lawn & garden tractor & home lawn & garden equipment mfg .....	-	9	6	982	21 645	861	1 547	17 088	52 014	62 249	114 393	2 405
33312	Construction machinery mfg .....	1	26	11	999	31 868	655	1 371	18 240	77 055	62 349	139 544	3 634
333120	Construction machinery mfg .....	1	26	11	999	31 868	655	1 371	18 240	77 055	62 349	139 544	3 634
33313	Mining & oil & gas field machinery mfg .....	2	5	3	354	12 174	245	481	6 813	22 503	21 306	42 422	737
333131	Mining machinery & equipment mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg ..	1	118	44	3 843	148 309	2 407	4 959	79 059	312 669	291 278	602 760	33 505
33321	Sawmill & woodworking machinery mfg .....	-	13	8	690	25 211	394	855	12 080	59 998	48 012	106 214	3 070
333210	Sawmill & woodworking machinery mfg .....	-	13	8	690	25 211	394	855	12 080	59 998	48 012	106 214	3 070
33322	Plastics & rubber industry machinery mfg .....	1	11	2	205	6 613	119	214	3 139	17 636	15 367	33 804	547
333220	Plastics & rubber industry machinery mfg .....	1	11	2	205	6 613	119	214	3 139	17 636	15 367	33 804	547
33329	Other industrial machinery mfg .....	1	94	34	2 948	116 485	1 894	3 890	63 840	235 035	227 899	462 742	29 888
333291	Paper industry machinery mfg .....	1	12	6	383	15 553	240	562	8 714	27 292	28 064	54 331	1 034
333293	Printing machinery & equipment mfg .....	-	10	5	443	15 561	264	568	7 719	30 993	18 579	47 654	1 463
333294	Food product machinery mfg .....	-	13	4	509	26 767	316	681	13 285	58 426	60 240	116 113	D
333295	Semiconductor machinery mfg .....	-	3	2	c	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg .....	2	51	16	1 335	49 828	861	1 660	28 413	87 604	108 201	201 426	8 401
3333	Commercial & service industry machinery mfg ..	1	41	12	1 813	59 209	1 067	2 204	27 386	144 939	115 427	260 649	5 532
33331	Commercial & service industry machinery mfg .....	1	41	12	1 813	59 209	1 067	2 204	27 386	144 939	115 427	260 649	5 532
333313	Office machinery mfg ..	2	3	3	297	8 720	140	310	2 558	24 404	12 382	36 823	1 377
333315	Photographic & photocopying equipment mfg .....	-	6	3	751	25 546	500	1 091	13 224	63 504	50 080	113 620	2 587
333319	Other commercial & service industry machinery mfg .....	2	24	5	686	22 944	371	700	10 479	54 769	51 080	105 993	1 414
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	55	36	7 425	238 647	5 521	10 788	149 681	837 269	597 074	1 439 399	33 441
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	-	55	36	7 425	238 647	5 521	10 788	149 681	837 269	597 074	1 439 399	33 441
333411	Air purification equipment mfg .....	-	5	4	633	13 575	527	1 076	9 375	43 315	43 965	86 371	D
333412	Industrial & commercial fan & blower mfg .....	-	6	5	1 228	43 514	929	2 215	28 415	95 823	55 524	152 505	D
333414	Heating equipment (except warm air furnaces) mfg .....	-	13	5	1 376	56 646	806	1 575	28 168	174 883	109 449	283 831	4 909
333415	AC & warm air heating & commercial/ industrial refriger equip mfg .....	-	31	22	4 188	124 912	3 259	5 922	83 723	523 248	388 136	916 692	22 645
3335	Metalworking machinery mfg .....	1	518	157	10 834	415 109	7 963	16 727	276 012	768 637	370 352	1 141 420	62 360
33351	Metalworking machinery mfg .....	1	518	157	10 834	415 109	7 963	16 727	276 012	768 637	370 352	1 141 420	62 360
333511	Industrial mold mfg ...	1	130	41	2 635	107 784	2 085	4 657	78 860	197 449	63 589	264 042	24 728
333512	Machine tool (metal cutting types) mfg ...	-	13	9	571	23 389	289	591	9 339	29 235	47 433	77 115	2 244
333513	Machine tool (metal forming types) mfg ...	-	10	5	236	8 590	148	273	5 036	16 311	10 851	26 550	D
333514	Special die & tool, die set, jig, & fixture mfg ..	1	284	66	4 731	175 276	3 575	7 326	118 633	324 601	129 490	457 658	25 781
333515	Cutting tool & machine tool accessory mfg ..	2	50	17	1 106	35 766	823	1 615	25 384	71 440	34 174	102 937	4 986
333516	Rolling mill machinery & equipment mfg .....	-	4	3	237	9 161	176	364	6 286	23 677	18 829	41 352	D
333518	Other metalworking machinery mfg .....	1	27	16	1 318	55 143	867	1 901	32 474	105 924	65 986	171 766	2 658

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg .....	-	45	30	10 556	447 596	7 974	16 607	319 134	1 749 012	2 545 763	4 313 485	94 804
33361	Engine, turbine, & power transmission equipment mfg .....	-	45	30	10 556	447 596	7 974	16 607	319 134	1 749 012	2 545 763	4 313 485	94 804
333611	Turbine & turbine generator set unit mfg .....	-	5	3	537	27 246	372	960	19 940	41 968	47 612	97 769	D
333612	Speed changer, industrial high-speed drive, & gear mfg .....	-	7	4	1 991	71 074	1 514	3 157	47 089	176 734	114 425	288 351	13 746
333613	Mechanical power transmission equipment mfg .....	-	14	8	1 572	57 623	1 152	2 306	37 698	136 418	63 723	198 396	D
333618	Other engine equipment mfg .....	-	19	15	6 456	291 653	4 936	10 184	214 407	1 393 892	2 320 003	3 728 969	70 993
3339	Other general-purpose machinery mfg .....	-	210	111	11 409	402 081	7 769	14 997	216 543	1 009 652	1 170 402	2 169 961	66 139
33391	Pump & compressor mfg .....	-	27	19	2 743	98 805	1 699	2 759	41 360	268 343	344 341	613 314	15 654
333911	Pump & pumping equipment mfg .....	-	6	3	f	D	D	D	D	D	D	D	D
333912	Air & gas compressor mfg .....	-	17	12	849	29 373	519	1 087	14 966	153 746	180 702	326 189	8 400
333913	Measuring & dispensing pump mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg .....	-	67	45	4 921	173 377	3 470	7 042	103 410	415 991	594 929	1 006 652	38 086
333921	Elevator & moving stairway mfg .....	-	5	5	1 596	66 229	1 044	1 761	38 792	179 593	151 664	331 180	13 651
333922	Conveyor & conveying equipment mfg .....	-	34	20	1 271	40 492	852	1 903	22 149	78 456	80 179	158 679	11 400
333923	Overhead traveling crane, hoist, & monorail system mfg .....	5	9	6	412	12 660	278	550	7 445	30 918	50 045	77 387	1 845
333924	Industrial truck, tractor, trailer, & stacker machinery mfg .....	-	19	14	1 642	53 996	1 296	2 828	35 024	127 024	313 041	439 406	11 190
33399	All other general-purpose machinery mfg .....	-	116	47	3 745	129 899	2 600	5 196	71 773	325 318	231 132	549 995	12 399
333992	Welding & soldering equipment mfg .....	-	7	4	351	14 439	222	443	6 945	26 476	14 649	37 929	1 087
333993	Packaging machinery mfg .....	1	10	3	193	7 460	119	240	3 075	14 149	9 057	23 144	288
333994	Industrial process furnace & oven mfg ..	1	11	5	431	16 433	280	582	8 226	39 398	22 530	61 641	1 788
333995	Fluid power cylinder & actuator mfg .....	-	11	7	488	17 027	355	771	10 900	68 720	29 609	98 029	1 603
333999	All other miscellaneous general-purpose machinery mfg .....	-	69	24	2 052	68 657	1 465	2 869	39 211	157 015	142 021	296 593	6 279
334	Computer & electronic product mfg .....	1	260	124	28 118	874 110	19 615	39 665	479 691	2 127 239	2 608 730	4 731 725	152 067
3341	Computer & peripheral equipment mfg .....	7	19	4	271	8 108	125	259	3 708	20 605	15 396	35 851	D
33411	Computer & peripheral equipment mfg .....	7	19	4	271	8 108	125	259	3 708	20 605	15 396	35 851	D
334119	Other computer peripheral equipment mfg .....	9	11	2	192	5 383	94	198	2 700	12 433	9 520	22 085	743
3342	Communications equipment mfg .....	-	20	8	6 525	252 941	3 491	7 410	109 334	464 259	363 058	825 464	D
33422	Radio & TV broadcasting & wireless communications equipment mfg .....	-	15	8	6 477	251 730	3 461	7 346	108 575	461 022	355 129	814 443	24 433
334220	Radio & TV broadcasting & wireless communications equipment mfg .....	-	15	8	6 477	251 730	3 461	7 346	108 575	461 022	355 129	814 443	24 433
3343	Audio & video equipment mfg .....	1	18	10	3 436	91 462	2 818	5 904	60 809	306 220	1 029 046	1 324 740	11 720
33431	Audio & video equipment mfg .....	1	18	10	3 436	91 462	2 818	5 904	60 809	306 220	1 029 046	1 324 740	11 720
334310	Audio & video equipment mfg .....	1	18	10	3 436	91 462	2 818	5 904	60 809	306 220	1 029 046	1 324 740	11 720

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANA—Con.</b>												
	<b>Manufacturing—Con.</b>												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg .....	—	112	61	10 640	301 381	8 096	16 216	187 747	742 508	844 682	1 589 291	65 281
33441	Semiconductor & other electronic component mfg .....	—	112	61	10 640	301 381	8 096	16 216	187 747	742 508	844 682	1 589 291	65 281
334411	Electron tube mfg ....	—	3	1	g	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg .....	6	19	5	e	D	D	D	D	D	D	D	721
334413	Semiconductor & related device mfg ...	—	5	1	e	D	D	D	D	D	D	D	D
334415	Electronic resistor mfg .....	1	4	3	837	20 231	722	1 287	14 617	40 036	15 391	55 725	D
334416	Electronic coil, transformer, & other inductor mfg .....	—	15	10	1 030	20 732	867	1 772	13 555	46 386	37 943	83 712	1 008
334417	Electronic connector mfg .....	1	11	7	752	24 534	541	1 068	11 431	104 638	55 048	155 707	10 049
334418	Printed circuit assembly (electronic assembly) mfg .....	—	11	9	1 396	35 919	1 020	1 989	20 712	98 146	177 928	277 179	9 407
334419	Other electronic component mfg .....	1	43	24	3 496	89 276	2 373	4 637	44 864	186 326	152 737	343 870	18 689
3345	Navigational, measuring, medical, & control instruments mfg .....	1	85	36	4 995	151 871	3 302	6 396	78 764	411 812	265 290	681 416	32 372
33451	Navigational, measuring, medical, & control instruments mfg .....	1	85	36	4 995	151 871	3 302	6 396	78 764	411 812	265 290	681 416	32 372
334510	Electromedical & electrotherapeutic apparatus mfg .....	1	5	3	202	6 981	55	165	1 330	12 958	7 656	20 737	622
334511	Search, detection, navigation, & guidance instrument mfg .....	—	6	1	c	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg .....	—	10	5	1 831	50 872	1 500	2 955	34 582	131 357	102 480	235 300	10 126
334513	Industrial process control instrument mfg .....	—	16	11	738	20 285	457	695	8 478	61 589	46 050	108 499	7 230
334515	Electricity measuring & testing instrument mfg .....	5	12	6	1 073	35 530	661	1 378	17 465	100 689	59 703	161 153	6 528
334516	Analytical laboratory instrument mfg .....	—	7	2	243	8 808	58	114	1 459	23 983	6 397	30 848	D
334517	Irradiation apparatus mfg .....	2	6	1	157	4 837	70	159	2 109	15 097	11 975	26 916	1 702
334518	Watch, clock, & part mfg .....	—	3	1	e	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg .....	3	17	5	275	10 242	155	284	4 714	25 324	13 819	39 637	449
3346	Mfg & reproducing magnetic & optical media .	1	6	5	2 251	68 347	1 783	3 480	39 329	181 835	91 258	274 963	17 046
33461	Mfg & reproducing magnetic & optical media .....	1	6	5	2 251	68 347	1 783	3 480	39 329	181 835	91 258	274 963	17 046
334611	Software reproducing .	9	2	1	c	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing .....	—	3	3	f	D	D	D	D	D	D	D	D
334613	Magnetic & optical recording media mfg .	—	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	—	182	114	21 728	681 986	17 600	34 030	495 634	2 024 544	2 010 371	4 027 493	89 540
3351	Electric lighting equipment mfg .....	—	18	7	1 040	30 564	733	1 331	16 340	150 113	127 830	274 899	7 278
33512	Lighting fixture mfg .....	—	17	7	g	D	D	D	D	D	D	D	7 278
335122	Commercial/industrial/institutional electric lighting fixture mfg ...	—	8	3	782	23 354	529	922	11 341	109 053	103 888	210 694	D
335129	Other lighting equipment mfg .....	—	4	3	c	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	—	9	7	6 242	214 601	5 400	9 894	174 051	729 491	765 719	1 472 073	34 176
33521	Small electrical appliance mfg .....	—	3	2	e	D	D	D	D	D	D	D	D
335211	Electric housewares & household fan mfg...	—	3	2	e	D	D	D	D	D	D	D	D
33522	Major appliance mfg ....	—	6	5	i	D	D	D	D	D	D	D	D
335221	Household cooking appliance mfg .....	—	1	1	e	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg..	—	3	3	i	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANA—Con.</b>												
	<b>Manufacturing—Con.</b>												
335	Electrical equipment, appliance, & component mfg—Con.												
3353	Electrical equipment mfg ..	-	75	40	6 950	227 950	5 344	10 909	149 792	546 766	372 417	924 963	18 276
33531	Electrical equipment mfg .....	-	75	40	6 950	227 950	5 344	10 909	149 792	546 766	372 417	924 963	18 276
335311	Power, distribution, & specialty transformer mfg .....	-	7	5	964	42 393	710	1 607	28 262	97 308	85 788	185 403	2 095
335312	Motor & generator mfg .....	-	27	19	3 933	119 699	3 177	6 216	82 827	230 754	144 561	378 598	10 004
335313	Switchgear & switchboard apparatus mfg .....	-	14	5	1 047	38 047	789	1 762	25 662	163 814	106 096	270 306	4 415
335314	Relay & industrial control mfg .....	1	27	11	1 006	27 811	668	1 324	13 041	54 890	35 972	90 656	1 762
3359	Other electrical equipment & component mfg .....	1	80	60	7 496	208 871	6 123	11 896	155 451	598 174	744 405	1 355 558	29 810
33591	Battery mfg .....	-	5	5	817	35 669	712	1 274	31 090	67 522	71 397	160 047	6 733
335911	Storage battery mfg ...	-	5	5	817	35 669	712	1 274	31 090	67 522	71 397	160 047	6 733
33592	Communication & energy wire & cable mfg .....	1	9	9	2 308	75 038	1 895	4 158	58 577	276 709	411 845	676 671	11 958
335929	Other communication & energy wire mfg ...	1	9	9	2 308	75 038	1 895	4 158	58 577	276 709	411 845	676 671	11 958
33593	Wiring device mfg .....	-	25	18	2 083	53 889	1 702	3 085	36 536	143 284	127 978	269 001	6 966
335931	Current-carrying wiring device mfg .....	-	23	16	g	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device mfg ....	-	2	2	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg .....	2	41	28	2 288	44 275	1 814	3 379	29 248	110 659	133 185	249 839	4 153
335999	All other miscellaneous electrical equipment & component mfg .....	2	40	28	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	653	427	143 422	5 946 887	112 360	238 820	4 240 167	14 527 463	21 411 939	35 968 620	1 457 985
3361	Motor vehicle mfg .....	-	30	13	7 538	373 459	6 509	13 767	289 056	1 631 065	5 395 348	7 050 865	D
33611	Automobile & light duty motor vehicle mfg .....	-	24	11	7 173	358 853	6 205	13 140	278 093	1 600 870	5 309 404	6 933 870	D
336111	Automobile mfg .....	-	18	7	h	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg .....	-	6	4	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck mfg ...	1	6	2	365	14 606	304	627	10 963	30 195	85 944	116 995	706
336120	Heavy duty truck mfg .	1	6	2	365	14 606	304	627	10 963	30 195	85 944	116 995	706
3362	Motor vehicle body & trailer mfg .....	-	176	116	24 900	757 760	20 569	42 193	538 563	1 658 370	3 607 950	5 232 319	84 978
33621	Motor vehicle body & trailer mfg .....	-	176	116	24 900	757 760	20 569	42 193	538 563	1 658 370	3 607 950	5 232 319	84 978
336211	Motor vehicle body mfg .....	2	46	29	4 422	129 371	3 565	7 555	100 425	252 477	384 001	641 996	11 556
336212	Truck trailer mfg .....	-	15	6	5 815	188 778	5 222	10 537	124 577	355 689	1 035 454	1 347 245	27 508
336213	Motor home mfg .....	-	27	17	6 389	202 424	5 082	10 025	145 783	550 560	1 240 730	1 784 465	24 957
336214	Travel trailer & camper mfg .....	-	88	64	8 274	237 187	6 700	14 076	167 778	499 644	947 765	1 458 613	20 957
3363	Motor vehicle parts mfg ...	-	356	246	96 419	4 172 936	76 081	163 726	3 082 738	9 801 512	11 129 579	20 995 605	1 154 197
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	40	23	8 942	292 184	7 296	16 422	193 615	852 463	903 852	1 760 921	117 661
336311	Carburetor, piston, piston ring, & valve mfg .....	-	5	4	1 576	53 903	1 330	2 899	28 083	137 795	47 184	188 083	D
336312	Gasoline engine & engine parts mfg ....	-	35	19	7 366	238 281	5 966	13 523	165 532	714 668	856 668	1 572 838	D
33632	Motor vehicle electrical & electronic equipment mfg .....	-	63	35	12 199	504 317	10 139	18 927	402 568	889 184	1 160 911	2 055 319	80 904
336321	Vehicular lighting equipment mfg .....	-	12	7	5 203	216 105	4 093	8 563	158 187	423 832	333 729	756 500	30 581
336322	Other motor vehicle electrical & electronic equipment mfg .....	-	51	28	6 996	288 212	6 046	10 364	244 381	465 352	827 182	1 298 819	50 323
33633	Motor vehicle steering & suspension component (except spring) mfg ....	-	15	13	7 387	402 246	6 158	15 305	326 585	858 908	1 016 572	1 896 990	135 298
336330	Motor vehicle steering & suspension component (except spring) mfg .....	-	15	13	7 387	402 246	6 158	15 305	326 585	858 908	1 016 572	1 896 990	135 298
33634	Motor vehicle brake system mfg .....	-	11	9	1 635	48 147	1 230	2 617	33 678	186 061	155 378	340 811	6 730
336340	Motor vehicle brake system mfg .....	-	11	9	1 635	48 147	1 230	2 617	33 678	186 061	155 378	340 811	6 730

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33635	Motor vehicle transmission & power train parts mfg .....	-	45	36	31 875	1 746 090	22 575	50 684	1 215 114	3 992 339	4 404 973	8 403 241	429 202
336350	Motor vehicle transmission & power train parts mfg .....	-	45	36	31 875	1 746 090	22 575	50 684	1 215 114	3 992 339	4 404 973	8 403 241	429 202
33636	Motor vehicle seating & interior trim mfg .....	-	30	22	2 911	77 865	2 266	4 382	49 008	190 735	407 175	601 475	10 594
336360	Motor vehicle seating & interior trim mfg ...	-	30	22	2 911	77 865	2 266	4 382	49 008	190 735	407 175	601 475	10 594
33637	Motor vehicle metal stamping .....	-	54	45	12 934	536 206	10 791	23 438	427 478	1 116 958	1 238 842	2 364 426	141 451
336370	Motor vehicle metal stamping .....	-	54	45	12 934	536 206	10 791	23 438	427 478	1 116 958	1 238 842	2 364 426	141 451
33639	Other motor vehicle parts mfg .....	-	98	63	18 536	565 881	15 626	31 951	434 692	1 714 864	1 841 876	3 572 422	232 357
336391	Motor vehicle air-conditioning mfg .....	-	4	2	h	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	94	61	j	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg .....	-	27	18	8 171	451 324	4 122	9 393	204 487	1 032 338	738 373	1 737 801	69 194
33641	Aerospace product & parts mfg .....	-	27	18	8 171	451 324	4 122	9 393	204 487	1 032 338	738 373	1 737 801	69 194
336412	Aircraft engine & engine parts mfg .....	-	11	10	5 836	341 666	2 839	6 682	150 400	647 018	597 498	1 219 466	D
336413	Other aircraft part & auxiliary equipment mfg .....	-	14	7	g	D	D	D	D	D	D	D	34 520
3365	Railroad rolling stock mfg ..	-	7	5	1 502	51 701	1 084	2 034	29 290	106 242	124 141	234 002	D
33651	Railroad rolling stock mfg .....	-	7	5	1 502	51 701	1 084	2 034	29 290	106 242	124 141	234 002	D
336510	Railroad rolling stock mfg .....	-	7	5	1 502	51 701	1 084	2 034	29 290	106 242	124 141	234 002	D
3366	Ship & boat building .....	1	21	13	3 253	91 881	2 671	5 368	66 045	197 779	288 044	488 145	9 768
33661	Ship & boat building ....	1	21	13	3 253	91 881	2 671	5 368	66 045	197 779	288 044	488 145	9 768
336611	Ship building & repairing .....	-	6	4	g	D	D	D	D	D	D	D	D
336612	Boat building .....	1	15	9	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment mfg .....	2	36	16	1 639	47 826	1 324	2 339	29 988	100 157	128 504	229 883	5 494
33699	Other transportation equipment mfg .....	2	36	16	1 639	47 826	1 324	2 339	29 988	100 157	128 504	229 883	5 494
336991	Motorcycle, bicycle, & parts mfg .....	-	7	3	c	D	D	D	D	D	D	D	D
336999	All other transportation equipment mfg .....	2	27	13	1 398	40 461	1 107	1 958	24 681	84 508	121 793	207 601	5 000
337	Furniture & related product mfg .....	-	509	185	26 150	666 195	21 672	44 606	480 225	1 594 960	1 282 549	2 864 951	75 745
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	360	110	15 592	382 673	13 182	26 790	283 536	977 501	787 918	1 757 669	40 453
33711	Wood kitchen cabinet & counter top mfg .....	-	190	49	5 674	141 234	4 766	9 523	107 045	394 538	304 176	698 860	18 173
337110	Wood kitchen cabinet & counter top mfg ...	-	190	49	5 674	141 234	4 766	9 523	107 045	394 538	304 176	698 860	18 173
33712	Household & institutional furniture mfg .....	-	170	61	9 918	241 439	8 416	17 267	176 491	582 963	483 742	1 058 809	22 280
337121	Upholstered household furniture mfg .....	-	34	13	2 427	61 024	2 095	4 283	44 250	133 400	136 936	269 493	5 543
337122	Nonupholstered wood household furniture mfg .....	1	81	28	3 510	84 585	3 063	6 336	63 737	185 789	145 415	326 725	5 763
337124	Metal household furniture mfg .....	-	14	8	1 803	40 045	1 478	3 052	26 695	125 178	100 819	224 484	7 362
337125	Household furniture (except wood & metal) mfg .....	-	8	2	f	D	D	D	D	D	D	D	D
337127	Institutional furniture mfg .....	-	27	8	852	20 534	656	1 233	13 687	50 545	30 853	80 671	1 566
337129	Wood television, radio, & sewing machine cabinet mfg .....	-	6	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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
337	Furniture & related product mfg—Con.												
3372	Office furniture (including fixtures) mfg .....	—	118	60	8 850	243 167	7 263	15 105	173 526	526 052	410 149	930 415	31 728
33721	Office furniture (including fixtures) mfg .....	—	118	60	8 850	243 167	7 263	15 105	173 526	526 052	410 149	930 415	31 728
337211	Wood office furniture mfg .....	—	32	22	5 113	132 970	4 342	9 482	102 593	307 522	245 193	551 833	16 912
337212	Custom architectural woodwork & millwork mfg .....	—	25	10	653	20 542	497	963	12 583	33 499	21 760	55 095	1 093
337214	Office furniture (except wood) mfg .....	3	12	8	595	14 441	461	825	9 527	46 219	34 652	81 150	5 484
337215	Showcase, partition, shelving, & locker mfg .....	1	49	20	2 489	75 214	1 963	3 835	48 823	138 812	108 544	242 337	8 239
3379	Other furniture related product mfg .....	—	31	15	1 708	40 355	1 227	2 711	23 163	91 407	84 482	176 867	3 564
33791	Mattress mfg .....	—	15	8	457	14 202	276	606	6 916	37 262	33 845	71 328	2 373
337910	Mattress mfg .....	—	15	8	457	14 202	276	606	6 916	37 262	33 845	71 328	2 373
33792	Blind & shade mfg .....	1	16	7	1 251	26 153	951	2 105	16 247	54 145	50 637	105 539	1 191
337920	Blind & shade mfg .....	1	16	7	1 251	26 153	951	2 105	16 247	54 145	50 637	105 539	1 191
339	Miscellaneous mfg .....	—	620	152	23 771	757 440	16 517	31 011	411 983	2 805 161	1 205 112	4 030 241	112 852
3391	Medical equipment & supplies mfg .....	—	260	50	12 042	444 869	7 735	14 547	209 707	1 783 110	610 259	2 407 438	74 886
33911	Medical equipment & supplies mfg .....	—	260	50	12 042	444 869	7 735	14 547	209 707	1 783 110	610 259	2 407 438	74 886
339111	Laboratory apparatus & furniture mfg .....	4	8	3	135	4 376	64	132	1 504	12 327	4 674	16 727	281
339112	Surgical & medical instrument mfg .....	1	44	15	3 701	124 452	2 675	5 642	69 372	413 578	157 913	570 285	19 008
339113	Surgical appliance & supplies mfg .....	—	33	15	6 384	270 989	3 729	6 572	112 990	1 259 357	409 552	1 683 598	50 527
339114	Dental equipment & supplies mfg .....	4	17	5	692	19 115	445	874	9 202	38 633	16 845	55 319	2 829
339115	Ophthalmic goods mfg .....	4	7	2	118	2 485	86	137	1 445	6 378	3 938	10 358	495
339116	Dental laboratories .....	5	151	10	1 012	23 452	736	1 190	15 194	52 837	17 337	71 151	1 746
3399	Other miscellaneous mfg ..	—	360	102	11 729	312 571	8 782	16 464	202 276	1 022 051	594 853	1 622 803	37 966
33991	Jewelry & silverware mfg .....	2	33	5	494	14 080	395	734	10 865	48 757	20 744	69 288	637
339911	Jewelry (except costume) mfg .....	1	20	5	438	12 964	351	668	10 138	46 662	19 593	66 037	592
33992	Sporting & athletic goods mfg .....	—	40	12	1 339	31 457	955	1 992	19 438	85 612	94 483	187 072	2 569
339920	Sporting & athletic goods mfg .....	—	40	12	1 339	31 457	955	1 992	19 438	85 612	94 483	187 072	2 569
33993	Doll, toy, & game mfg ...	—	24	7	995	22 137	772	1 257	12 073	151 194	99 655	250 929	3 766
339932	Game, toy, & children's vehicle mfg .....	—	17	6	946	21 511	745	1 200	11 696	150 055	98 310	248 440	D
33994	Office supplies (except paper) mfg .....	5	19	7	434	10 941	340	655	6 914	22 422	19 607	41 889	1 265
339941	Pen & mechanical pencil mfg .....	—	2	1	c	D	D	D	D	D	D	D	D
339942	Lead pencil & art good mfg .....	7	4	3	164	5 101	135	322	3 510	10 663	12 886	23 627	D
33995	Sign mfg .....	2	134	17	1 358	36 216	855	1 528	16 998	73 504	48 334	123 171	3 217
339950	Sign mfg .....	2	134	17	1 358	36 216	855	1 528	16 998	73 504	48 334	123 171	3 217
33999	All other miscellaneous mfg .....	—	110	54	7 109	197 740	5 465	10 298	135 988	640 562	312 030	950 454	26 512
339991	Gasket, packing, & sealing device mfg ...	—	13	10	1 530	38 611	1 233	2 437	28 784	112 426	65 525	178 835	6 085
339992	Musical instrument mfg .....	1	18	8	1 283	39 094	1 146	2 274	33 095	100 587	32 514	131 724	3 191
339994	Broom, brush, & mop mfg .....	5	6	3	c	D	D	D	D	D	D	D	D
339995	Burial casket mfg .....	—	20	15	2 459	78 914	1 643	3 191	48 555	315 387	130 840	444 495	11 930
339999	All other miscellaneous mfg .....	—	50	17	1 626	37 104	1 304	2 190	23 518	98 758	73 645	173 488	4 842

<sup>1</sup>Some 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.

<sup>2</sup>Industries 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>BLOOMINGTON, IN MSA</b>												
	<b>Manufacturing . . . .</b>	-	<b>122</b>	<b>39</b>	<b>8 817</b>	<b>302 554</b>	<b>7 410</b>	<b>13 988</b>	<b>221 803</b>	<b>1 094 026</b>	<b>1 417 232</b>	<b>2 444 226</b>	<b>44 419</b>
323	Printing & related support activities.....	4	20	6	355	9 306	274	524	6 409	19 350	13 131	32 436	1 526
3231	Printing & related support activities.....	4	20	6	355	9 306	274	524	6 409	19 350	13 131	32 436	1 526
32311	Printing .....	4	19	6	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	2	10	4	274	8 756	229	487	5 966	23 232	12 994	36 085	3 500
3261	Plastics product mfg .....	2	8	4	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	-	14	8	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg .....	-	10	7	311	11 359	247	483	7 913	16 670	10 967	27 811	D
32799	All other nonmetallic mineral product mfg ...	-	10	7	311	11 359	247	483	7 913	16 670	10 967	27 811	D
327991	Cut stone & stone product mfg .....	-	10	7	311	11 359	247	483	7 913	16 670	10 967	27 811	D
332	Fabricated metal product mfg .....	1	8	4	331	8 181	234	505	4 548	20 410	18 340	37 841	1 511
333	Machinery mfg .....	-	6	2	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	-	2	1	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
333921	Elevator & moving stairway mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	5	2	g	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	-	1	1	h	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	-	19	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg .....	-	9	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg .....	-	9	1	g	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg .....	-	3	1	g	D	D	D	D	D	D	D	D
	<b>CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>1</b>	<b>14 080</b>	<b>5 205</b>	<b>660 689</b>	<b>24 785 382</b>	<b>457 284</b>	<b>943 383</b>	<b>14 112 493</b>	<b>72 622 192</b>	<b>73 308 763</b>	<b>145 631 728</b>	<b>6 094 310</b>
	Chicago-Gary-Kenosha, IL-IN-WI CMSA (IL Part) . . . .	1	13 307	4 906	601 701	22 016 416	412 652	848 543	12 106 543	64 048 310	61 153 748	124 949 232	5 039 928
	Chicago-Gary-Kenosha, IL-IN-WI CMSA (IN Part) . . . .	-	569	217	49 462	2 372 725	37 307	79 659	1 724 496	7 692 325	11 002 978	18 651 480	907 596
	Chicago-Gary-Kenosha, IL-IN-WI CMSA (WI Part) .....	-	204	82	9 526	396 241	7 325	15 181	281 454	881 557	1 152 037	2 031 016	146 786
311	Food mfg .....	2	968	356	60 673	1 891 456	43 954	91 804	1 197 751	8 586 698	8 444 266	17 013 983	494 798
312	Beverage & tobacco product mfg .....	1	42	19	h	D	D	D	D	D	D	D	D
313	Textile mills .....	3	64	12	g	D	D	D	D	D	D	D	D
314	Textile product mills .....	3	223	50	h	D	D	D	D	D	D	D	D
315	Apparel mfg .....	2	219	63	i	D	D	D	D	D	D	D	D
316	Leather & allied product mfg .	1	40	15	g	D	D	D	D	D	D	D	D
321	Wood product mfg .....	2	253	67	h	D	D	D	D	D	D	D	D
322	Paper mfg .....	-	307	218	j	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	1 982	463	k	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
324	Petroleum & coal products mfg .....	-	74	29	h	D	D	D	D	D	D	D	D
325	Chemical mfg .....	1	626	311	46 729	2 279 814	23 792	49 365	924 324	10 176 023	7 759 952	17 861 640	933 446
326	Plastics & rubber products mfg .....	1	794	455	k	D	D	D	D	D	D	D	378 704
327	Nonmetallic mineral product mfg .....	2	395	176	j	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	262	166	l	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	1	2 942	1 094	97 993	3 437 556	74 316	154 633	2 216 814	7 877 522	6 120 662	13 976 945	551 562
333	Machinery mfg .....	-	1 726	609	67 472	2 722 311	43 811	90 715	1 508 124	6 405 822	5 481 511	11 960 300	353 618
334	Computer & electronic product mfg .....	-	678	316	l	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	395	204	k	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	309	162	k	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	1	632	136	j	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	1	1 149	284	k	D	D	D	D	D	D	D	D
	<b>Gary, IN PMSA</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>569</b>	<b>217</b>	<b>49 462</b>	<b>2 372 725</b>	<b>37 307</b>	<b>79 659</b>	<b>1 724 496</b>	<b>7 692 325</b>	<b>11 002 978</b>	<b>18 651 480</b>	<b>907 596</b>
311	Food mfg .....	-	32	13	1 718	49 946	1 269	2 286	27 914	183 041	243 260	427 845	16 337
3112	Grain & oilseed milling ....	-	1	1	f	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	1	20	7	529	7 584	336	476	4 318	22 908	25 695	47 896	582
31181	Bread & bakery product mfg .....	1	18	6	e	D	D	D	D	D	D	D	D
311811	Retail bakeries .....	4	15	4	e	D	D	D	D	D	D	D	204
3119	Other food mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
31199	All other food mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg .....	-	1	1	e	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
31211	Soft drink & ice mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
312111	Soft drink mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
321	Wood product mfg .....	-	21	8	316	6 422	263	500	4 781	17 103	18 934	35 827	D
322	Paper mfg .....	-	6	5	386	15 461	315	706	11 337	54 714	44 732	99 118	3 402
3222	Converted paper product mfg .....	-	5	4	e	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	1	57	10	774	24 167	512	991	14 560	20 501	59 045	79 469	6 322
3231	Printing & related support activities .....	1	57	10	774	24 167	512	991	14 560	20 501	59 045	79 469	6 322
32311	Printing .....	1	52	10	759	23 798	502	977	14 298	19 507	58 851	78 282	6 258
323110	Commercial lithographic printing ..	1	29	8	504	15 931	353	726	11 414	1 159	44 420	45 875	3 781



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.</b>												
	<b>Gary, IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
324	Petroleum & coal products mfg .....	-	11	5	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg .....	-	11	5	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	1	1	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, & saturated materials mfg .....	-	6	2									
324122	Asphalt shingle & coating materials mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
32419	Other petroleum & coal products mfg .....	-	4	2	e	D	D	D	D	D	D	D	D
325	Chemical mfg .....	-	33	17	1 870	94 414	1 251	2 758	54 886	552 648	506 924	1 063 092	81 896
3251	Basic chemical mfg .....	-	19	12	1 040	53 400	590	1 341	26 915	339 704	222 617	563 820	72 263
32518	Other basic inorganic chemical mfg .....	-	8	7	e	D	D	D	D	D	D	D	D
325188	All other basic inorganic chemical mfg .....	-	8	7	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg .....	2	4	3	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg .....	2	4	3	e	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	2	1	e	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	16	9	877	28 147	640	1 266	14 172	86 003	60 764	144 288	15 525
3261	Plastics product mfg .....	-	15	9	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	9	6	592	14 246	477	955	8 412	48 231	36 243	84 330	12 188
326199	All other plastics product mfg .....	-	8	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	-	47	20	1 395	53 040	1 055	2 226	38 633	173 242	137 253	312 715	15 695
3271	Clay product & refractory mfg .....	-	11	4	292	9 490	215	448	6 842	39 202	19 319	59 528	D
32712	Clay building material & refractories mfg .....	-	10	4	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg .....	-	19	7	448	15 380	323	584	9 897	41 686	41 924	85 619	7 807
3274	Lime & gypsum product mfg .....	-	4	2	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg .....	-	11	7	378	16 786	284	628	12 844	46 146	24 471	70 128	3 360
32799	All other nonmetallic mineral product mfg ...	-	9	6	e	D	D	D	D	D	D	D	D
327992	Ground or treated mineral & earth mfg..	-	5	5	305	14 320	221	504	11 051	38 419	15 452	53 455	2 652
331	Primary metal mfg .....	-	23	19	30 128	1 656 803	22 908	50 515	1 259 239	4 911 889	5 906 414	10 767 795	649 613
3311	Iron & steel mills & ferroalloy mfg .....	-	9	9	28 885	1 603 317	21 913	48 356	1 218 452	4 781 946	5 578 653	10 309 464	637 951
33111	Iron & steel mills & ferroalloy mfg .....	-	9	9	28 885	1 603 317	21 913	48 356	1 218 452	4 781 946	5 578 653	10 309 464	637 951
331111	Iron & steel mills .....	-	9	9	28 885	1 603 317	21 913	48 356	1 218 452	4 781 946	5 578 653	10 309 464	637 951
3312	Steel product mfg from purchased steel .....	-	5	5	671	33 268	558	1 293	27 285	82 480	228 793	310 231	D
33122	Rolling & drawing of purchased steel .....	-	4	4	f	D	D	D	D	D	D	D	D
331221	Cold-rolled steel shape mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing..	-	4	3	299	9 313	216	417	5 590	23 321	83 130	108 054	D
33131	Alumina & aluminum production & processing.....	-	4	3	299	9 313	216	417	5 590	23 321	83 130	108 054	D
3315	Foundries .....	-	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.</b>												
	<b>Gary, IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg .....	1	139	54	4 002	147 122	3 083	6 188	101 452	403 383	393 857	785 142	26 271
3321	Forging & stamping .....	—	5	2	e	D	D	D	D	D	D	D	D
33211	Forging & stamping .....	—	5	2	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg .....	—	28	12	638	22 105	483	969	14 488	54 341	72 333	121 476	2 789
33231	Plate work & fabricated structural product mfg ..	—	16	7	327	11 055	237	480	6 811	32 664	58 939	86 633	1 544
332312	Fabricated structural metal mfg .....	—	13	6	268	9 265	192	388	5 557	27 519	57 920	80 159	1 367
33232	Ornamental & architectural metal products mfg .....	1	12	5	311	11 050	246	489	7 677	21 677	13 394	34 843	1 245
332322	Sheet metal work mfg ..	—	7	5	289	10 423	229	460	7 315	20 815	12 092	32 676	1 212
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	1	68	18	1 083	38 082	866	1 637	26 530	74 821	32 819	108 584	5 487
33271	Machine shops .....	1	62	17	986	34 417	786	1 466	23 929	67 427	27 945	96 622	4 779
332710	Machine shops .....	1	62	17	986	34 417	786	1 466	23 929	67 427	27 945	96 622	4 779
3328	Coating, engraving, heat treating, & allied activities ..	3	18	13	698	27 279	558	1 180	20 033	74 473	35 719	107 886	6 887
33281	Coating, engraving, heat treating, & allied activities ..	3	18	13	698	27 279	558	1 180	20 033	74 473	35 719	107 886	6 887
332812	Metal coating/engraving (exc jewelry/silverware)/allied services .....	4	4	4	325	12 179	268	538	9 156	34 779	27 701	59 949	1 964
3329	Other fabricated metal product mfg .....	—	9	4	845	31 825	577	1 118	18 804	76 207	29 136	106 480	6 650
33299	All other fabricated metal product mfg .....	—	9	4	845	31 825	577	1 118	18 804	76 207	29 136	106 480	6 650
332991	Ball & roller bearing mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg .....	—	3	1	e	D	D	D	D	D	D	D	D
333	Machinery mfg .....	—	49	23	1 702	65 565	1 185	2 612	37 265	154 242	118 186	266 416	10 540
3331	Agriculture, construction, & mining machinery mfg .....	1	7	2	e	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg ..	—	4	3	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg .....	—	4	3	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	—	16	5	412	14 962	301	615	10 174	40 689	27 809	66 524	2 161
33351	Metalworking machinery mfg .....	—	16	5	412	14 962	301	615	10 174	40 689	27 809	66 524	2 161
3339	Other general-purpose machinery mfg .....	—	21	13	695	24 255	459	1 014	11 132	57 713	52 167	109 279	1 764
33399	All other general-purpose machinery mfg .....	—	12	6	488	17 978	330	733	7 698	44 495	30 826	74 916	1 431
333999	All other miscellaneous general-purpose machinery mfg .....	—	7	3	317	11 361	226	486	4 107	27 150	16 667	43 240	1 061
334	Computer & electronic product mfg .....	3	18	5	273	6 275	191	342	3 123	15 243	13 072	28 495	495
336	Transportation equipment mfg .....	—	16	7	1 862	60 584	1 383	2 715	35 696	163 048	261 157	429 792	12 136
3363	Motor vehicle parts mfg ...	—	6	3	355	9 072	291	679	6 417	57 257	135 803	195 110	D
3365	Railroad rolling stock mfg ..	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
33651	Railroad rolling stock mfg .....	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
336510	Railroad rolling stock mfg .....	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
337	Furniture & related product mfg .....	2	26	4	298	6 831	225	389	4 563	14 787	12 458	27 227	D
3371	Household & institutional furniture & kitchen cabinet mfg .....	2	22	4	261	5 664	198	342	3 830	12 536	11 098	23 632	D
339	Miscellaneous mfg .....	2	50	11	979	24 814	683	1 317	12 917	63 377	26 171	88 725	2 365
3391	Medical equipment & supplies mfg .....	1	23	5	542	13 450	384	733	6 906	29 127	8 751	37 565	1 393
33911	Medical equipment & supplies mfg .....	1	23	5	542	13 450	384	733	6 906	29 127	8 751	37 565	1 393
339112	Surgical & medical instrument mfg .....	—	4	3	362	9 286	240	510	4 277	20 359	4 995	24 981	710
3399	Other miscellaneous mfg ..	3	27	6	437	11 364	299	584	6 011	34 250	17 420	51 160	972

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>CINCINNATI-HAMILTON, OH-KY-IN CMSA</b>												
	<b>Manufacturing . . . .</b>	-	<b>2 686</b>	<b>1 045</b>	<b>139 924</b>	<b>5 357 729</b>	<b>93 955</b>	<b>191 998</b>	<b>3 057 171</b>	<b>18 883 613</b>	<b>16 469 729</b>	<b>35 239 117</b>	<b>1 463 667</b>
	Cincinnati-Hamilton, OH-KY-IN CMSA (IN Part) . . . .	-	40	14	2 261	87 160	1 607	2 872	53 481	200 394	129 703	305 991	15 556
	Cincinnati-Hamilton, OH-KY-IN CMSA (KY Part) . . . .	1	410	171	20 072	677 286	14 735	30 367	419 162	2 233 902	2 062 844	4 275 964	161 260
	Cincinnati-Hamilton, OH-KY-IN CMSA (OH Part) . . . .	-	2 236	860	117 591	4 593 283	77 613	158 759	2 584 528	16 449 317	14 277 182	30 657 162	1 286 851
311	Food mfg . . . . .	1	156	66	j	D	D	D	D	D	D	D	114 135
312	Beverage & tobacco product mfg . . . . .	-	17	13	h	D	D	D	D	D	D	D	D
313	Textile mills . . . . .	3	15	9	f	D	D	D	D	D	D	D	D
314	Textile product mills . . . . .	-	48	15	g	D	D	D	D	D	D	D	D
315	Apparel mfg . . . . .	2	29	12	g	D	D	D	D	D	D	D	D
321	Wood product mfg . . . . .	1	72	18	g	D	D	D	D	D	D	D	D
322	Paper mfg . . . . .	1	103	71	8 810	313 604	6 665	14 634	215 767	882 076	1 008 549	1 887 737	89 233
323	Printing & related support activities . . . . .	1	393	116	10 814	369 598	7 805	15 484	225 743	902 215	521 822	1 419 311	54 918
324	Petroleum & coal products mfg . . . . .	-	38	8	g	D	D	D	D	D	D	D	D
325	Chemical mfg . . . . .	-	152	71	9 633	431 555	5 808	11 709	235 572	2 633 385	2 428 589	5 040 623	172 010
326	Plastics & rubber products mfg . . . . .	1	140	75	9 036	274 527	6 916	13 781	173 554	731 575	683 985	1 413 317	91 751
327	Nonmetallic mineral product mfg . . . . .	1	111	42	2 786	95 365	2 139	4 204	64 893	269 394	239 083	510 028	25 724
331	Primary metal mfg . . . . .	-	40	26	i	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	1	535	188	18 623	623 307	13 784	27 607	407 199	1 394 083	1 186 888	2 588 580	113 506
333	Machinery mfg . . . . .	-	288	133	20 476	842 261	11 313	23 183	383 084	2 018 845	1 663 052	3 583 195	122 495
334	Computer & electronic product mfg . . . . .	1	85	34	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg . . . . .	-	63	35	5 710	192 502	3 948	8 324	107 711	516 102	437 358	959 982	D
336	Transportation equipment mfg . . . . .	-	74	43	14 925	870 824	9 140	18 433	429 461	2 670 791	3 751 560	6 499 887	D
337	Furniture & related product mfg . . . . .	1	117	26	2 365	63 427	1 701	3 181	37 445	144 366	124 860	271 190	5 900
339	Miscellaneous mfg . . . . .	1	205	42	5 327	156 781	3 571	6 912	78 515	442 440	308 165	739 313	27 121
	<b>Cincinnati, OH-KY-IN PMSA</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>2 290</b>	<b>890</b>	<b>119 533</b>	<b>4 538 513</b>	<b>78 998</b>	<b>159 800</b>	<b>2 494 921</b>	<b>14 558 177</b>	<b>14 203 781</b>	<b>28 671 346</b>	<b>1 267 606</b>
	Cincinnati, OH-KY-IN PMSA (IN Part) . . . . .	-	40	14	2 261	87 160	1 607	2 872	53 481	200 394	129 703	305 991	15 556
	Cincinnati, OH-KY-IN PMSA (KY Part) . . . . .	1	410	171	20 072	677 286	14 735	30 367	419 162	2 233 902	2 062 844	4 275 964	161 260
	Cincinnati, OH-KY-IN PMSA (OH Part) . . . . .	-	1 840	705	97 200	3 774 067	62 656	126 561	2 022 278	12 123 881	12 011 234	24 089 391	1 090 790

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
311	Food mfg . . . . .	1	139	62	10 102	322 426	6 324	13 455	183 844	1 787 723	1 479 877	3 240 819	113 098
3112	Grain & oilseed milling . . . .	—	4	3	e	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
311225	Fats & oils refining & blending . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg . . . . .	3	9	8	2 048	57 313	1 592	3 419	39 713	174 543	274 311	448 738	26 064
31141	Frozen food mfg . . . . .	4	4	4	1 538	43 037	1 170	2 653	28 862	119 316	214 415	333 742	24 892
311412	Frozen specialty food mfg . . . . .	4	4	4	1 538	43 037	1 170	2 653	28 862	119 316	214 415	333 742	24 892
31142	Fruit & vegetable canning, pickling, & drying . . . . .	—	5	4	510	14 276	422	766	10 851	55 227	59 896	114 996	1 172
311421	Fruit & vegetable canning . . . . .	—	5	4	510	14 276	422	766	10 851	55 227	59 896	114 996	1 172
3115	Dairy product mfg . . . . .	2	7	4	586	19 777	299	703	9 713	57 838	142 051	200 505	D
31151	Dairy product (except frozen) mfg . . . . .	—	4	2	e	D	D	D	D	D	D	D	D
311511	Fluid milk mfg . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
3116	Meat product mfg . . . . .	1	22	11	2 320	72 415	1 302	2 826	40 845	261 469	268 933	526 216	12 700
31161	Animal slaughtering & processing . . . . .	1	22	11	2 320	72 415	1 302	2 826	40 845	261 469	268 933	526 216	12 700
311612	Meat processed from carcasses . . . . .	—	12	6	1 998	66 854	1 052	2 409	36 925	244 454	238 764	479 018	D
3118	Bakeries & tortilla mfg . . . . .	—	63	19	2 492	77 807	1 621	3 272	49 666	767 568	216 374	982 176	9 788
31181	Bread & bakery product mfg . . . . .	—	56	13	1 373	33 100	710	1 298	15 302	108 373	49 738	158 225	1 975
311811	Retail bakeries . . . . .	1	41	7	436	5 675	267	355	3 663	11 862	5 098	16 982	580
311812	Commercial bakeries . . . . .	—	15	6	937	27 425	443	943	11 639	96 511	44 640	141 243	1 395
31182	Cookie, cracker, & pasta mfg . . . . .	—	7	6	1 119	44 707	911	1 974	34 364	659 195	166 636	823 951	7 813
311821	Cookie & cracker mfg . . . . .	—	5	5	g	D	D	D	D	D	D	D	D
3119	Other food mfg . . . . .	3	23	14	1 942	66 339	989	2 242	26 609	220 315	307 210	525 553	39 322
31193	Flavoring syrup & concentrate mfg . . . . .	5	4	2	440	18 390	166	434	8 417	100 156	154 182	253 483	D
311930	Flavoring syrup & concentrate mfg . . . . .	5	4	2	440	18 390	166	434	8 417	100 156	154 182	253 483	D
31194	Seasoning & dressing mfg . . . . .	—	7	6	706	26 576	273	605	6 505	59 371	79 992	138 621	25 422
311941	Mayonnaise, dressing, & other prepared sauce mfg . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
311942	Spice & extract mfg . . . . .	1	5	4	e	D	D	D	D	D	D	D	D
31199	All other food mfg . . . . .	5	8	3	521	12 776	411	880	8 809	34 152	50 114	84 192	3 500
311999	All other miscellaneous food mfg . . . . .	9	6	2	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg . . . . .	—	15	12	g	D	D	D	D	D	D	D	D
3121	Beverage mfg . . . . .	—	15	12	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg . . . . .	—	6	5	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg . . . . .	—	4	3	961	34 504	391	882	14 765	368 051	265 894	634 974	D
31214	Distilleries . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
312140	Distilleries . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
313	Textile mills . . . . .	3	14	9	f	D	D	D	D	D	D	D	D
3132	Fabric mills . . . . .	3	7	6	f	D	D	D	D	D	D	D	D
31322	Narrow fabric mills & schiffli machine embroidery . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
31323	Nonwoven fabric mills . . . . .	5	4	4	e	D	D	D	D	D	D	D	D
313230	Nonwoven fabric mills . . . . .	5	4	4	e	D	D	D	D	D	D	D	D
314	Textile product mills . . . . .	—	42	12	993	25 230	619	1 242	13 673	39 367	58 586	103 085	1 385
3141	Textile furnishings mills . . . .	—	17	5	e	D	D	D	D	D	D	D	522
31412	Curtain & linen mills . . . . .	—	16	5	e	D	D	D	D	D	D	D	D
314129	Other household textile product mills . . . . .	—	6	4	409	10 356	239	491	4 688	16 383	29 908	50 688	450
3149	Other textile product mills . . .	1	25	7	f	D	D	D	D	D	D	D	863
31499	All other textile product mills . . . . .	—	16	4	357	9 147	223	453	6 203	15 930	22 259	38 926	535
314999	All other miscellaneous textile product mills . . . . .	—	16	4	357	9 147	223	453	6 203	15 930	22 259	38 926	535

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
315	Apparel mfg . . . . .	—	27	11	801	13 311	608	961	9 009	43 529	78 944	121 859	D
3152	Cut & sew apparel mfg . . .	—	18	8	583	9 175	462	678	6 552	35 190	70 303	104 775	D
31522	Men's & boys' cut & sew apparel mfg . . . . .	—	8	6	478	7 143	382	551	5 459	30 850	64 083	94 196	878
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
321	Wood product mfg . . . . .	3	57	13	g	D	D	D	D	D	D	D	D
3219	Other wood product mfg . . .	3	46	10	g	D	D	D	D	D	D	D	D
32191	Millwork . . . . .	2	20	3	266	6 253	211	433	4 878	12 324	18 512	30 748	D
32199	All other wood product mfg . . . . .	4	12	5	637	13 971	507	892	9 611	27 106	26 794	54 440	1 599
321999	All other miscellaneous wood product mfg . . .	7	11	4	f	D	D	D	D	D	D	D	D
322	Paper mfg . . . . .	2	73	51	5 215	164 903	4 114	9 054	112 929	440 170	582 972	1 021 788	47 982
3221	Pulp, paper, & paperboard mills . . . . .	—	5	5	388	14 734	302	684	10 876	51 205	35 692	85 762	2 338
32213	Paperboard mills . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
322130	Paperboard mills . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
3222	Converted paper product mfg . . . . .	2	68	46	4 827	150 169	3 812	8 370	102 053	388 965	547 280	936 026	45 644
32221	Paperboard container mfg . . . . .	1	36	28	2 604	85 626	2 016	4 353	56 114	216 646	308 482	527 467	28 567
322211	Corrugated & solid fiber box mfg . . . . .	—	16	13	1 196	40 971	856	1 820	23 745	101 483	158 653	256 590	17 530
322212	Folding paperboard box mfg . . . . .	3	10	8	1 042	33 363	874	1 956	25 225	82 342	99 525	187 695	7 303
322214	Fiber can, tube, drum, & similar products mfg . . . . .	—	7	5	279	9 106	215	455	5 767	29 118	43 455	72 333	D
32222	Paper bag & coated & treated paper mfg . . . . .	3	12	7	1 562	46 601	1 292	3 121	34 860	127 368	181 205	306 400	14 105
322224	Uncoated paper & multiwall bag mfg . . . . .	3	3	3	g	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg . . . . .	2	13	8	420	11 883	324	531	6 494	26 981	30 918	58 274	1 520
322299	All other converted paper product mfg . . .	2	13	8	420	11 883	324	531	6 494	26 981	30 918	58 274	1 520
323	Printing & related support activities . . . . .	1	350	102	10 100	346 741	7 271	14 460	210 618	835 607	482 910	1 314 479	51 924
3231	Printing & related support activities . . . . .	1	350	102	10 100	346 741	7 271	14 460	210 618	835 607	482 910	1 314 479	51 924
32311	Printing . . . . .	1	300	81	8 828	299 063	6 356	12 606	179 485	742 138	460 561	1 198 650	44 401
323110	Commercial lithographic printing . . . . .	1	138	35	5 249	181 061	3 839	7 666	110 998	455 775	237 002	692 369	21 831
323111	Commercial gravure printing . . . . .	5	2	2	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing . . . . .	—	22	11	663	23 483	423	794	10 810	44 797	74 583	118 720	7 739
323113	Commercial screen printing . . . . .	—	28	9	895	25 981	644	1 310	14 805	77 286	64 530	138 702	3 875
323114	Quick printing . . . . .	2	60	6	430	10 313	308	487	6 074	21 182	10 692	31 865	1 189
323116	Manifold business form printing . . . . .	3	10	7	621	21 153	410	894	11 437	47 399	28 686	76 044	1 060
323117	Book printing . . . . .	—	6	3	e	D	D	D	D	D	D	D	D
32312	Support activities for printing . . . . .	1	50	21	1 272	47 678	915	1 854	31 133	93 469	22 349	115 829	7 523
323122	Prepress services . . . . .	1	43	19	1 079	43 243	743	1 513	27 422	85 210	20 929	106 379	6 683
324	Petroleum & coal products mfg . . . . .	—	35	8	1 141	47 714	699	1 508	25 970	133 932	350 114	485 518	8 114
3241	Petroleum & coal products mfg . . . . .	—	35	8	1 141	47 714	699	1 508	25 970	133 932	350 114	485 518	8 114
32412	Asphalt paving, roofing, & saturated materials mfg . . . . .	—	29	6	508	19 814	381	932	13 868	53 433	204 153	259 714	4 357
324122	Asphalt shingle & coating materials mfg . . . . .	—	5	3	337	13 602	262	677	10 467	24 782	76 438	100 708	2 331
32419	Other petroleum & coal products mfg . . . . .	—	6	2	633	27 900	318	576	12 102	80 499	145 961	225 804	3 757
324191	Petroleum lubricating oil & grease mfg . . . . .	—	6	2	633	27 900	318	576	12 102	80 499	145 961	225 804	3 757

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
325	Chemical mfg . . . . .	-	130	65	9 182	413 196	5 554	11 162	226 692	2 536 562	2 355 482	4 875 290	158 466
3251	Basic chemical mfg . . . . .	-	27	14	2 706	127 553	1 788	3 603	78 473	543 368	649 586	1 192 412	68 707
32513	Dye & pigment mfg . . . . .	2	5	4	1 056	49 219	709	1 595	32 245	234 015	144 417	380 450	D
325132	Synthetic organic dye & pigment mfg . . . . .	2	5	4	1 056	49 219	709	1 595	32 245	234 015	144 417	380 450	D
32518	Other basic inorganic chemical mfg . . . . .	-	8	4	304	14 302	205	427	8 858	73 958	71 993	145 709	17 259
325188	All other basic inorganic chemical mfg . . . . .	-	8	4	304	14 302	205	427	8 858	73 958	71 993	145 709	17 259
32519	Other basic organic chemical mfg . . . . .	-	7	5	1 299	62 321	831	1 491	35 909	224 153	429 131	651 027	31 565
325199	All other basic organic chemical mfg . . . . .	-	5	4	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg . . . . .	-	4	3	872	45 399	611	1 308	29 621	168 382	193 499	366 065	12 239
32521	Resin & synthetic rubber mfg . . . . .	-	4	3	872	45 399	611	1 308	29 621	168 382	193 499	366 065	12 239
325211	Plastics material & resin mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg . . . . .	-	9	4	994	38 293	404	751	12 613	395 344	187 902	571 698	8 012
32541	Pharmaceutical & medicine mfg . . . . .	-	9	4	994	38 293	404	751	12 613	395 344	187 902	571 698	8 012
325412	Pharmaceutical preparation mfg . . . . .	-	7	4	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg . . . . .	-	25	13	991	39 685	472	898	14 568	124 588	170 031	297 613	22 236
32551	Paint & coating mfg . . . . .	-	17	10	684	27 260	327	612	9 449	83 669	112 556	198 923	19 858
325510	Paint & coating mfg . . . . .	-	17	10	684	27 260	327	612	9 449	83 669	112 556	198 923	19 858
32552	Adhesive mfg . . . . .	-	8	3	307	12 425	145	286	5 119	40 919	57 475	98 690	2 378
325520	Adhesive mfg . . . . .	-	8	3	307	12 425	145	286	5 119	40 919	57 475	98 690	2 378
3256	Soap, cleaning compound, & toilet preparation mfg . . . . .	1	24	16	h	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg . . . . .	-	20	12	g	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg . . . . .	-	10	7	1 235	59 376	988	1 843	44 921	454 832	668 175	1 113 059	23 314
325612	Polish & other sanitation good mfg . . . . .	-	7	3	e	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg . . . . .	2	4	4	g	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg . . . . .	2	4	4	g	D	D	D	D	D	D	D	D
3259	Other chemical product mfg . . . . .	1	38	14	f	D	D	D	D	D	D	D	D
32591	Printing ink mfg . . . . .	1	18	8	528	18 314	209	436	6 922	40 870	54 984	95 101	3 167
325910	Printing ink mfg . . . . .	1	18	8	528	18 314	209	436	6 922	40 870	54 984	95 101	3 167
32599	All other chemical product & preparation mfg . . . . .	2	19	6	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	1	113	59	7 218	221 100	5 553	11 053	141 275	612 965	585 014	1 200 308	80 565
3261	Plastics product mfg . . . . .	1	99	54	6 856	210 669	5 282	10 504	134 724	589 315	563 929	1 155 358	80 008
32611	Unsupported plastics film, sheet, & bag mfg . . . . .	-	10	6	641	25 600	473	991	15 210	81 954	80 982	163 102	D
326113	Unsupported plastics film & sheet (except packaging) mfg . . . . .	-	7	3	345	16 236	238	509	8 711	60 410	58 653	119 151	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg . . . . .	-	5	2	e	D	D	D	D	D	D	D	D
326121	Unsupported plastics profile shape mfg . . . . .	-	4	1	e	D	D	D	D	D	D	D	D
32613	Laminated plastics plate, sheet, & shape mfg . . . . .	-	5	1	f	D	D	D	D	D	D	D	D
326130	Laminated plastics plate, sheet, & shape mfg . . . . .	-	5	1	f	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg . . . . .	-	6	6	862	26 369	763	1 649	21 911	91 680	87 060	177 534	12 235
326160	Plastics bottle mfg . . . . .	-	6	6	862	26 369	763	1 649	21 911	91 680	87 060	177 534	12 235
32619	Other plastics product mfg . . . . .	3	60	33	3 903	109 958	2 988	5 670	66 353	255 404	248 069	502 415	27 845
326199	All other plastics product mfg . . . . .	3	59	32	h	D	D	D	D	D	D	D	D
3262	Rubber product mfg . . . . .	-	14	5	362	10 431	271	549	6 551	23 650	21 085	44 950	557

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
327	Nonmetallic mineral product mfg . . . . .	1	89	36	2 455	84 815	1 868	3 650	56 484	236 548	209 497	447 332	22 638
3272	Glass & glass product mfg . . . . .	—	18	6	509	17 657	412	783	12 947	49 438	24 627	73 752	4 633
32721	Glass & glass product mfg . . . . .	—	18	6	509	17 657	412	783	12 947	49 438	24 627	73 752	4 633
3273	Cement & concrete product mfg . . . . .	2	48	18	1 050	35 762	803	1 545	23 102	90 799	85 510	176 368	10 575
32732	Ready-mix concrete mfg . . . . .	3	31	14	689	22 653	531	1 042	15 926	55 380	67 416	123 138	7 816
327320	Ready-mix concrete mfg . . . . .	3	31	14	689	22 653	531	1 042	15 926	55 380	67 416	123 138	7 816
32739	Other concrete product mfg . . . . .	1	12	3	288	10 478	213	387	5 585	25 410	12 876	38 290	1 671
327390	Other concrete product mfg . . . . .	1	12	3	288	10 478	213	387	5 585	25 410	12 876	38 290	1 671
3274	Lime & gypsum product mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
32741	Lime mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
327410	Lime mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg . . . . .	—	14	8	442	14 812	294	546	7 746	50 271	50 241	100 706	3 504
32799	All other nonmetallic mineral product mfg . . . . .	—	11	8	e	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	—	32	19	2 914	105 765	2 090	4 481	70 728	272 565	275 948	538 374	16 783
3311	Iron & steel mills & ferroalloy mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	—	4	2	304	11 009	159	415	5 109	20 114	33 875	55 347	D
33142	Copper rolling, drawing, extruding, & alloying . . . . .	—	2	1	e	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	24	14	1 648	52 738	1 255	2 625	36 958	98 411	51 175	150 468	5 864
33151	Ferrous metal foundries . . . . .	—	5	5	860	29 191	679	1 466	21 762	54 789	28 627	84 138	4 067
331511	Iron foundries . . . . .	—	4	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . . . .	—	19	9	788	23 547	576	1 159	15 196	43 622	22 548	66 330	1 797
331524	Aluminum foundries (except die-casting) . . . . .	—	12	8	709	21 892	510	1 037	13 946	39 829	20 456	60 415	D
332	Fabricated metal product mfg . . . . .	—	446	161	16 330	539 133	12 104	23 786	352 623	1 179 584	976 738	2 163 816	88 268
3321	Forging & stamping . . . . .	1	20	10	869	24 910	681	1 378	17 920	54 100	70 458	123 695	9 726
33211	Forging & stamping . . . . .	1	20	10	869	24 910	681	1 378	17 920	54 100	70 458	123 695	9 726
332116	Metal stamping . . . . .	1	16	8	797	22 648	628	1 284	16 488	50 260	68 492	117 931	D
3322	Cutlery & handtool mfg . . . . .	—	14	4	401	13 824	225	447	6 271	29 453	20 405	49 647	D
33221	Cutlery & handtool mfg . . . . .	—	14	4	401	13 824	225	447	6 271	29 453	20 405	49 647	D
332212	Hand & edge tool mfg . . . . .	—	13	3	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg . . . . .	—	95	36	3 488	114 184	2 492	5 037	71 933	264 023	223 338	487 640	17 934
33231	Plate work & fabricated structural product mfg . . . . .	—	37	14	901	31 267	591	1 186	17 793	75 218	87 867	163 486	4 458
332312	Fabricated structural metal mfg . . . . .	—	25	9	610	20 555	426	839	12 757	51 957	65 636	117 748	3 428
33232	Ornamental & architectural metal products mfg . . . . .	—	58	22	2 587	82 917	1 901	3 851	54 140	188 805	135 471	324 154	13 476
332321	Metal window & door mfg . . . . .	—	9	4	1 265	40 972	944	1 963	26 980	105 860	81 835	187 470	6 828
332322	Sheet metal work mfg . . . . .	1	36	16	1 146	36 297	849	1 659	24 011	68 733	42 304	111 287	6 171
3324	Boiler, tank, & shipping container mfg . . . . .	—	13	9	2 035	66 641	1 731	3 007	53 699	107 295	153 392	271 182	D
33242	Metal tank (heavy gauge) mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
332420	Metal tank (heavy gauge) mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, & other metal container (light gauge) mfg . . . . .	—	10	7	g	D	D	D	D	D	D	D	D
332431	Metal can mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
332439	Other metal container mfg . . . . .	1	8	5	454	13 096	327	673	7 870	32 426	55 354	88 218	D
3325	Hardware mfg . . . . .	—	12	7	619	18 363	502	903	12 035	30 944	45 497	77 321	D
33251	Hardware mfg . . . . .	—	12	7	619	18 363	502	903	12 035	30 944	45 497	77 321	D
332510	Hardware mfg . . . . .	—	12	7	619	18 363	502	903	12 035	30 944	45 497	77 321	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3326	Spring & wire product mfg .	1	10	5	1 430	48 820	1 045	1 760	32 197	101 003	151 325	251 719	7 142
33261	Spring & wire product mfg . . . . .	1	10	5	1 430	48 820	1 045	1 760	32 197	101 003	151 325	251 719	7 142
332612	Spring (light gauge) mfg . . . . .	3	3	2	e	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg . . . . .	—	5	3	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	1	182	44	3 971	130 684	2 933	6 294	87 262	309 225	128 979	433 855	20 566
33271	Machine shops . . . . .	—	155	28	2 539	90 133	1 951	4 250	60 970	217 438	76 151	289 446	15 565
332710	Machine shops . . . . .	—	155	28	2 539	90 133	1 951	4 250	60 970	217 438	76 151	289 446	15 565
33272	Turned product & screw, nut, & bolt mfg . . . . .	1	27	16	1 432	40 551	982	2 044	26 292	91 787	52 828	144 409	5 001
332721	Precision turned product mfg . . . . .	—	21	11	1 138	31 178	750	1 608	19 418	72 383	34 679	106 978	2 584
332722	Bolt, nut, screw, rivet, & washer mfg . . . . .	4	6	5	294	9 373	232	436	6 874	19 404	18 149	37 431	2 417
3328	Coating, engraving, heat treating, & allied activities .	—	55	24	1 468	47 771	1 084	2 091	29 797	112 712	57 707	170 216	8 331
33281	Coating, engraving, heat treating, & allied activities . . . . .	—	55	24	1 468	47 771	1 084	2 091	29 797	112 712	57 707	170 216	8 331
332811	Metal heat treating . . . . .	—	15	9	364	11 815	269	382	7 509	36 116	4 244	40 344	1 587
332812	Metal coating/engraving (exc jewelry/silverware)/allied services . . . . .	—	20	7	607	18 215	445	928	12 383	33 552	31 635	65 031	3 790
332813	Electroplating, plating, polishing, anodizing, & coloring . . . . .	—	20	8	497	17 741	370	781	9 905	43 044	21 828	64 841	2 954
3329	Other fabricated metal product mfg . . . . .	2	45	22	2 049	73 936	1 411	2 869	41 509	170 829	125 637	298 541	16 848
33291	Metal valve mfg . . . . .	1	13	11	1 339	46 367	884	1 770	24 675	119 034	96 963	218 333	13 109
332911	Industrial valve mfg . . . . .	1	7	7	856	30 559	522	1 039	14 943	74 308	71 934	148 550	3 541
332912	Fluid power valve & hose fitting mfg . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg . . . . .	4	32	11	710	27 569	527	1 099	16 834	51 795	28 674	80 208	3 739
332999	All other miscellaneous fabricated metal product mfg . . . . .	1	19	7	355	12 679	237	455	5 918	22 184	14 346	36 482	1 491
333	Machinery mfg . . . . .	—	245	112	18 628	769 395	10 340	21 275	348 789	1 891 638	1 482 643	3 272 013	112 957
3331	Agriculture, construction, & mining machinery mfg . . . . .	1	10	3	345	11 236	268	482	6 923	29 348	23 241	54 196	D
3332	Industrial machinery mfg . . . . .	—	41	21	2 677	115 458	1 260	2 525	49 101	427 555	276 178	707 310	14 136
33322	Plastics & rubber industry machinery mfg . . . . .	—	4	3	g	D	D	D	D	D	D	D	D
333220	Plastics & rubber industry machinery mfg . . . . .	—	4	3	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg . . . . .	1	37	18	g	D	D	D	D	D	D	D	D
333293	Printing machinery & equipment mfg . . . . .	—	7	4	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg . . . . .	1	19	10	737	28 916	451	1 020	14 757	54 198	42 618	101 434	2 678
3333	Commercial & service industry machinery mfg . . . . .	—	24	9	2 045	68 681	1 424	3 026	39 234	164 459	96 235	262 673	D
33331	Commercial & service industry machinery mfg . . . . .	—	24	9	2 045	68 681	1 424	3 026	39 234	164 459	96 235	262 673	D
333312	Commercial laundry, drycleaning, & pressing machine mfg . . . . .	—	2	1	e	D	D	D	D	D	D	D	D
333314	Optical instrument & lens mfg . . . . .	—	3	1	g	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg . . . . .	2	14	4	468	14 957	302	641	8 808	34 559	35 277	68 934	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
333	Machinery mfg—Con.												
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	12	6	942	30 792	616	1 323	14 473	83 254	44 251	127 823	2 129
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	12	6	942	30 792	616	1 323	14 473	83 254	44 251	127 823	2 129
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	-	4	3	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	-	81	29	5 768	259 584	2 858	5 612	110 268	583 536	535 789	1 008 087	50 660
33351	Metalworking machinery mfg .....	-	81	29	5 768	259 584	2 858	5 612	110 268	583 536	535 789	1 008 087	50 660
333512	Machine tool (metal cutting types) mfg ...	-	8	8	3 430	159 085	1 397	2 492	53 709	434 967	415 948	742 101	D
333513	Machine tool (metal forming types) mfg ...	-	2	2	f	D	D	D	D	D	D	D	D
333514	Special die & tool, die set, jig, & fixture mfg .	1	35	8	501	15 167	359	613	10 134	29 454	19 018	47 770	3 564
333515	Cutting tool & machine tool accessory mfg ..	2	22	6	376	13 615	260	575	7 820	25 474	11 729	38 121	3 181
333516	Rolling mill machinery & equipment mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg .....	3	8	5	637	27 671	354	754	12 016	45 789	65 302	113 565	1 799
33361	Engine, turbine, & power transmission equipment mfg .....	3	8	5	637	27 671	354	754	12 016	45 789	65 302	113 565	1 799
333613	Mechanical power transmission equipment mfg .....	5	6	3	e	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	-	69	39	6 214	255 973	3 560	7 553	116 774	557 697	441 647	998 359	21 986
33391	Pump & compressor mfg .....	-	12	8	1 900	63 414	1 112	2 382	28 764	146 447	174 528	316 454	5 717
333911	Pump & pumping equipment mfg .....	-	5	4	f	D	D	D	D	D	D	D	D
333912	Air & gas compressor mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
333913	Measuring & dispensing pump mfg .....	-	3	2	467	21 329	325	680	13 208	59 748	49 132	107 860	2 322
33392	Material handling equipment mfg .....	-	14	10	1 531	73 936	743	1 508	29 855	115 060	122 977	239 203	3 302
333921	Elevator & moving stairway mfg .....	-	3	3	e	D	D	D	D	D	D	D	D
333922	Conveyor & conveying equipment mfg .....	1	9	6	1 206	53 156	580	1 197	16 820	83 316	100 010	183 932	2 110
33399	All other general-purpose machinery mfg .....	1	43	21	2 783	118 623	1 705	3 663	58 155	296 190	144 142	442 702	12 967
333991	Power-driven handtool mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
333993	Packaging machinery mfg .....	-	7	4	684	35 785	459	1 143	20 313	127 900	34 607	160 754	2 543
333999	All other miscellaneous general-purpose machinery mfg .....	2	19	9	923	33 888	556	1 150	15 762	87 192	49 939	138 085	3 804
334	Computer & electronic product mfg .....	1	78	34	4 781	168 782	2 525	5 190	66 683	329 639	397 049	724 161	40 223
3342	Communications equipment mfg .....	5	13	5	1 401	51 962	629	1 394	16 544	116 024	68 031	182 075	6 423
33422	Radio & TV broadcasting & wireless communications equipment mfg .....	5	13	5	1 401	51 962	629	1 394	16 544	116 024	68 031	182 075	6 423
334220	Radio & TV broadcasting & wireless communications equipment mfg .....	5	13	5	1 401	51 962	629	1 394	16 544	116 024	68 031	182 075	6 423
3343	Audio & video equipment mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg .....	-	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg .....	-	17	9	g	D	D	D	D	D	D	D	19 861
33441	Semiconductor & other electronic component mfg .....	-	17	9	g	D	D	D	D	D	D	D	19 861
334413	Semiconductor & related device mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg .....	1	37	16	g	D	D	D	D	D	D	D	5 146
33451	Navigational, measuring, medical, & control instruments mfg .....	1	37	16	g	D	D	D	D	D	D	D	5 146
334510	Electromedical & electrotherapeutic apparatus mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg .....	1	9	3	278	10 157	139	285	4 402	23 545	18 463	41 983	760
335	Electrical equipment, appliance, & component mfg .....	-	51	28	4 236	141 730	2 865	6 044	74 290	369 672	324 209	700 852	D
3351	Electric lighting equipment mfg .....	-	7	5	g	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg .....	-	6	5	f	D	D	D	D	D	D	D	D
335129	Other lighting equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg...	-	3	2	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335211	Electric housewares & household fan mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	28	13	1 710	63 555	1 094	2 468	34 011	159 313	107 927	276 878	7 293
33531	Electrical equipment mfg .....	-	28	13	1 710	63 555	1 094	2 468	34 011	159 313	107 927	276 878	7 293
335312	Motor & generator mfg .....	-	8	5	705	25 838	474	1 064	14 977	71 939	33 440	108 261	D
335314	Relay & industrial control mfg .....	-	12	5	833	32 728	491	1 164	15 924	74 366	68 599	150 023	3 850
3359	Other electrical equipment & component mfg .....	-	13	8	f	D	D	D	D	D	D	D	D
33593	Wiring device mfg .....	-	7	4	647	22 627	446	933	12 916	54 586	46 362	100 452	2 717
335931	Current-carrying wiring device mfg .....	-	7	4	647	22 627	446	933	12 916	54 586	46 362	100 452	2 717
336	Transportation equipment mfg .....	-	65	39	14 369	849 608	8 806	17 777	417 336	2 627 112	3 682 402	6 385 830	436 555
3362	Motor vehicle body & trailer mfg .....	-	6	4	e	D	D	D	D	D	D	D	152
33621	Motor vehicle body & trailer mfg .....	-	6	4	e	D	D	D	D	D	D	D	152
3363	Motor vehicle parts mfg ...	-	37	23	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg .....	-	9	6	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg .....	-	7	4	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg ....	-	1	1	e	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg .....	2	3	3	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg .....	2	3	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	3	2	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	3	2	h	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>CINCINNATI—HAMILTON, OH—KY—IN CMSA—Con.</b>												
	<b>Cincinnati, OH—KY—IN PMSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33636	Motor vehicle seating & interior trim mfg . . . . .	7	2	2	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg . . .	7	2	2	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . . . . .	—	5	2									
336370	Motor vehicle metal stamping . . . . .	—	5	2									
33639	Other motor vehicle parts mfg . . . . .	3	11	6									
336399	All other motor vehicle parts mfg . . . . .	3	11	6									
3364	Aerospace product & parts mfg . . . . .	—	15	9	i	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg . . . . .	—	15	9	i	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg . . . . .	—	9	7	i	D	D	D	D	D	D	D	D
3365	Railroad rolling stock mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
33651	Railroad rolling stock mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
336510	Railroad rolling stock mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg . . . . .	1	103	20									
3371	Household & institutional furniture & kitchen cabinet mfg . . . . .	1	64	6	e	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg . . . . .	1	42	2									
337110	Wood kitchen cabinet & counter top mfg . . .	1	42	2									
3372	Office furniture (including fixtures) mfg . . . . .	2	29	9									
33721	Office furniture (including fixtures) mfg . . . . .	2	29	9									
337215	Showcase, partition, shelving, & locker mfg . . . . .	3	19	7									
3379	Other furniture related product mfg . . . . .	—	10	5	e	D	D	D	D	D	D	D	D
33791	Mattress mfg . . . . .	—	7	4									
337910	Mattress mfg . . . . .	—	7	4									
339	Miscellaneous mfg . . . . .	1	181	35									
3391	Medical equipment & supplies mfg . . . . .	—	74	11									
33911	Medical equipment & supplies mfg . . . . .	—	74	11									
339112	Surgical & medical instrument mfg . . . . .	—	13	5									
339113	Surgical appliance & supplies mfg . . . . .	—	9	2	e	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg . . . . .	1	107	24									
33991	Jewelry & silverware mfg . . . . .	—	18	4									
33995	Sign mfg . . . . .	2	49	9									
339950	Sign mfg . . . . .	2	49	9									
33999	All other miscellaneous mfg . . . . .	1	17	6									
339991	Gasket, packing, & sealing device mfg . . . . .	4	4	3									
339995	Burial casket 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>ELKHART-GOSHEN, IN MSA</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>894</b>	<b>464</b>	<b>56 087</b>	<b>1 610 765</b>	<b>44 247</b>	<b>86 698</b>	<b>1 093 838</b>	<b>3 861 781</b>	<b>5 115 386</b>	<b>8 999 868</b>	<b>214 951</b>
311	Food mfg.....	-	19	7	821	20 698	613	1 223	14 420	45 611	174 923	226 446	2 341
3118	Bakeries & tortilla mfg.....	-	9	3	261	5 412	171	268	3 009	26 503	17 445	43 947	346
31181	Bread & bakery product mfg.....	-	8	3	e	D	D	D	D	D	D	D	D
314	Textile product mills.....	1	26	7	597	11 679	509	970	8 545	20 698	20 445	41 846	D
3141	Textile furnishings mills....	-	17	6	509	10 129	443	860	7 506	17 535	18 051	36 200	609
31412	Curtain & linen mills.....	-	14	6	e	D	D	D	D	D	D	D	D
314121	Curtain & drapery mills.....	-	13	5	452	8 691	394	777	6 448	12 878	12 386	25 365	D
321	Wood product mfg.....	1	91	48	6 293	183 300	5 133	10 117	134 257	372 464	649 231	1 023 225	13 819
3219	Other wood product mfg....	1	81	43	5 969	175 891	4 857	9 583	128 872	353 049	612 142	967 813	12 390
32191	Millwork.....	-	30	17	1 324	34 664	1 124	2 169	26 205	61 725	116 122	179 277	2 289
321911	Wood window & door mfg.....	1	11	7	647	15 657	567	1 019	11 670	30 888	29 425	59 834	765
321912	Cut stock, resawing lumber, & planing....	-	8	4	265	8 064	207	496	6 812	8 933	58 247	69 296	448
321918	Other millwork (including flooring)...	-	11	6	412	10 943	350	654	7 723	21 904	28 450	50 147	1 076
32199	All other wood product mfg.....	1	45	24	4 569	139 824	3 669	7 285	101 628	288 625	493 441	783 267	10 015
321991	Manufactured home (mobile home) mfg..	1	23	20	4 075	125 622	3 290	6 575	93 348	261 331	455 566	717 796	8 132
321992	Prefabricated wood building mfg.....	-	6	2	253	9 016	182	345	4 680	15 924	22 031	37 972	613
322	Paper mfg.....	4	4	3	300	10 128	214	364	4 904	19 339	22 533	41 982	2 536
3222	Converted paper product mfg.....	4	4	3	300	10 128	214	364	4 904	19 339	22 533	41 982	2 536
32221	Paperboard container mfg.....	4	4	3	300	10 128	214	364	4 904	19 339	22 533	41 982	2 536
323	Printing & related support activities.....	-	30	5	409	14 524	279	534	7 870	34 689	26 061	61 066	1 516
3231	Printing & related support activities.....	-	30	5	409	14 524	279	534	7 870	34 689	26 061	61 066	1 516
32311	Printing.....	-	28	5	e	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	21	10	g	D	D	D	D	D	D	D	16 290
3251	Basic chemical mfg.....	2	2	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg.....	2	2	2	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg.....	2	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	1	101	68	5 833	142 890	4 787	8 859	99 737	355 956	395 989	750 774	30 590
3261	Plastics product mfg.....	1	84	57	4 077	101 317	3 307	6 152	69 670	286 476	327 598	614 495	24 975
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg.....	1	12	9	593	18 401	454	946	12 597	77 165	76 542	152 636	9 949
326122	Plastics pipe & pipe fitting mfg.....	1	6	5	404	12 907	330	702	9 450	60 912	65 407	125 571	9 028
32614	Polystyrene foam product mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
326140	Polystyrene foam product mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg.....	-	11	11	885	22 070	729	1 239	15 570	74 789	116 954	191 712	2 901
326150	Urethane & other foam product (except polystyrene) mfg.....	-	11	11	885	22 070	729	1 239	15 570	74 789	116 954	191 712	2 901
32619	Other plastics product mfg.....	2	48	31	2 094	47 177	1 736	3 253	33 185	102 811	82 692	187 122	9 426
326199	All other plastics product mfg.....	2	47	31	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	-	17	11	1 756	41 573	1 480	2 707	30 067	69 480	68 391	136 279	5 615
32629	Other rubber product mfg.....	-	15	11	g	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use.....	-	9	8	1 478	35 563	1 230	2 248	25 568	54 826	39 692	93 051	D
326299	All other rubber product mfg.....	-	6	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ELKHART-GOSHEN, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
327	Nonmetallic mineral product mfg . . . . .	-	34	16	1 679	46 961	1 285	2 756	28 822	108 571	200 254	309 136	7 238
3272	Glass & glass product mfg . . . . .	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
32721	Glass & glass product mfg . . . . .	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
327215	Glass product mfg made of purchased glass . . . . .	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
3274	Lime & gypsum product mfg . . . . .	-	4	4	e	D	D	D	D	D	D	D	D
32742	Gypsum product mfg . . . . .	-	4	4	e	D	D	D	D	D	D	D	D
327420	Gypsum product mfg . . . . .	-	4	4	e	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	14	11	1 493	48 229	1 177	2 530	34 496	171 969	179 639	350 282	6 147
3312	Steel product mfg from purchased steel . . . . .	-	4	3	282	9 178	217	434	6 557	52 396	53 848	105 900	2 171
3313	Alumina & aluminum production & processing . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	-	4	3	f	D	D	D	D	D	D	D	2 040
33152	Nonferrous metal foundries . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	1	156	69	6 109	169 723	4 934	9 861	118 916	390 551	418 544	801 720	28 441
3321	Forging & stamping . . . . .	1	22	10	556	14 011	460	1 015	9 679	31 959	37 554	69 439	3 155
33211	Forging & stamping . . . . .	1	22	10	556	14 011	460	1 015	9 679	31 959	37 554	69 439	3 155
332116	Metal stamping . . . . .	1	17	7	438	10 559	354	721	7 249	23 043	23 937	46 724	2 726
3323	Architectural & structural metals mfg . . . . .	-	48	27	2 778	68 808	2 284	4 519	48 439	168 343	240 375	407 683	6 607
33231	Plate work & fabricated structural product mfg . . . . .	-	17	9	641	17 272	528	1 072	12 005	53 977	104 169	156 571	2 280
332311	Prefabricated metal building & component mfg . . . . .	-	3	3	291	6 554	227	479	4 478	29 706	68 317	96 060	D
332312	Fabricated structural metal mfg . . . . .	-	12	6	e	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg . . . . .	-	31	18	2 137	51 536	1 756	3 447	36 434	114 366	136 206	251 112	4 327
332321	Metal window & door mfg . . . . .	-	10	7	970	19 866	861	1 551	16 061	45 715	57 729	104 270	1 383
332322	Sheet metal work mfg . . . . .	-	16	9	880	24 492	700	1 502	16 403	55 608	64 028	119 251	1 439
332323	Ornamental & architectural metal work mfg . . . . .	-	5	2	287	7 178	195	394	3 970	13 043	14 449	27 591	1 505
3325	Hardware mfg . . . . .	4	8	6	361	9 513	277	479	5 713	20 906	22 140	43 237	1 153
33251	Hardware mfg . . . . .	4	8	6	361	9 513	277	479	5 713	20 906	22 140	43 237	1 153
332510	Hardware mfg . . . . .	4	8	6	361	9 513	277	479	5 713	20 906	22 140	43 237	1 153
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	-	39	7	574	17 665	445	837	11 437	29 626	17 638	47 688	1 191
33271	Machine shops . . . . .	1	30	5	357	10 355	274	521	6 756	17 788	9 739	27 744	878
332710	Machine shops . . . . .	1	30	5	357	10 355	274	521	6 756	17 788	9 739	27 744	878
3328	Coating, engraving, heat treating, & allied activities . . . . .	3	13	5	317	9 390	274	529	7 389	18 884	6 240	25 067	570
33281	Coating, engraving, heat treating, & allied activities . . . . .	3	13	5	317	9 390	274	529	7 389	18 884	6 240	25 067	570
3329	Other fabricated metal product mfg . . . . .	-	16	9	1 073	37 090	822	1 727	26 272	91 221	59 053	142 938	14 307
33291	Metal valve mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
332919	Other metal valve & pipe fitting mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg . . . . .	-	13	6	e	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg . . . . .	-	5	3	279	8 062	224	458	5 499	11 848	13 381	25 346	2 103
333	Machinery mfg . . . . .	-	56	19	1 380	44 482	989	1 996	27 136	89 730	68 013	157 576	7 780
3335	Metalworking machinery mfg . . . . .	1	36	10	539	21 307	388	764	14 020	35 033	14 837	49 540	2 355
33351	Metalworking machinery mfg . . . . .	1	36	10	539	21 307	388	764	14 020	35 033	14 837	49 540	2 355
3339	Other general-purpose machinery mfg . . . . .	-	9	5	359	9 083	283	624	5 754	23 074	26 371	49 365	4 423

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>ELKHART-GOSHEN, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
334	Computer & electronic product mfg.....	-	16	9	2 888	71 851	1 857	3 346	38 678	126 455	86 047	212 719	10 822
3342	Communications equipment mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	-	7	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg.....	-	7	3	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg.....	-	3	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg.....	-	4	4	685	19 504	510	915	12 006	56 502	24 511	81 205	D
33451	Navigational, measuring, medical, & control instruments mfg.....	-	4	4	685	19 504	510	915	12 006	56 502	24 511	81 205	D
334512	Automatic environmental control mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	1	14	8	820	21 202	565	1 315	10 987	38 225	43 142	81 421	5 455
3353	Electrical equipment mfg ..	2	8	4	563	15 613	379	940	7 803	22 187	18 884	41 650	D
33531	Electrical equipment mfg.....	2	8	4	563	15 613	379	940	7 803	22 187	18 884	41 650	D
335314	Relay & industrial control mfg.....	4	4	2	384	10 573	235	567	4 908	6 015	8 976	15 153	236
336	Transportation equipment mfg.....	1	193	130	20 774	605 921	16 569	32 550	430 434	1 399 956	2 469 866	3 889 985	68 098
3362	Motor vehicle body & trailer mfg.....	-	111	81	14 649	436 270	11 684	23 256	313 761	983 379	1 957 053	2 955 514	48 089
33621	Motor vehicle body & trailer mfg.....	-	111	81	14 649	436 270	11 684	23 256	313 761	983 379	1 957 053	2 955 514	48 089
336211	Motor vehicle body mfg.....	-	22	15	h	D	D	D	D	D	D	D	6 128
336213	Motor home mfg.....	-	21	14	h	D	D	D	D	D	D	D	D
336214	Travel trailer & camper mfg.....	-	66	52	7 034	200 279	5 680	11 962	141 609	421 922	808 144	1 239 700	19 666
3363	Motor vehicle parts mfg ...	2	60	36	4 370	113 146	3 482	6 406	78 322	298 358	340 890	644 396	14 689
33632	Motor vehicle electrical & electronic equipment mfg.....	3	13	6	494	11 513	389	601	6 945	31 475	43 132	75 104	1 907
336322	Other motor vehicle electrical & electronic equipment mfg.....	3	9	5	e	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg.....	-	4	4	256	6 900	202	391	5 070	28 031	70 407	98 166	1 666
336350	Motor vehicle transmission & power train parts mfg.....	-	4	4	256	6 900	202	391	5 070	28 031	70 407	98 166	1 666
33636	Motor vehicle seating & interior trim mfg.....	3	17	12	1 382	32 700	1 155	2 276	24 313	54 965	76 203	131 996	2 343
336360	Motor vehicle seating & interior trim mfg ...	3	17	12	1 382	32 700	1 155	2 276	24 313	54 965	76 203	131 996	2 343
33639	Other motor vehicle parts mfg.....	1	23	12	2 127	58 632	1 651	2 989	39 822	173 977	137 785	316 051	8 584
336399	All other motor vehicle parts mfg.....	1	20	11	g	D	D	D	D	D	D	D	D
3366	Ship & boat building.....	-	6	3	729	23 909	620	1 388	16 934	44 155	70 306	115 444	1 080
33661	Ship & boat building.....	-	6	3	729	23 909	620	1 388	16 934	44 155	70 306	115 444	1 080
336612	Boat building.....	-	5	3	f	D	D	D	D	D	D	D	1 080
3369	Other transportation equipment mfg.....	2	10	7	821	26 902	619	1 224	17 153	58 823	76 471	134 634	3 512
33699	Other transportation equipment mfg.....	2	10	7	821	26 902	619	1 224	17 153	58 823	76 471	134 634	3 512
336999	All other transportation equipment mfg.....	2	9	7	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ELKHART-GOSHEN, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
337	Furniture & related product mfg .....	1	72	38	3 736	98 195	3 103	6 286	71 758	205 466	167 399	368 111	8 206
3371	Household & institutional furniture & kitchen cabinet mfg .....	1	48	21	1 889	43 963	1 563	2 984	32 286	100 755	84 600	184 104	3 898
33711	Wood kitchen cabinet & counter top mfg .....	—	24	13	1 367	33 455	1 142	2 225	24 681	80 855	62 065	142 580	3 018
337110	Wood kitchen cabinet & counter top mfg ...	—	24	13	1 367	33 455	1 142	2 225	24 681	80 855	62 065	142 580	3 018
33712	Household & institutional furniture mfg .....	1	24	8	522	10 508	421	759	7 605	19 900	22 535	41 524	880
3372	Office furniture (including fixtures) mfg .....	—	16	11	1 473	46 446	1 239	2 510	34 096	86 055	62 357	144 092	4 045
33721	Office furniture (including fixtures) mfg .....	—	16	11	1 473	46 446	1 239	2 510	34 096	86 055	62 357	144 092	4 045
337212	Custom architectural woodwork & millwork mfg .....	—	8	5	340	10 183	280	527	7 247	15 483	11 144	26 624	561
337215	Showcase, partition, shelving, & locker mfg .....	—	2	1	f	D	D	D	D	D	D	D	D
3379	Other furniture related product mfg .....	2	8	6	374	7 786	301	792	5 376	18 656	20 442	39 915	263
33792	Blind & shade mfg .....	2	5	5	346	6 935	279	753	4 963	18 617	18 617	36 560	D
337920	Blind & shade mfg .....	2	5	5	346	6 935	279	753	4 963	17 194	18 617	36 560	D
339	Miscellaneous mfg .....	1	38	13	1 683	53 196	1 443	2 760	41 552	130 559	50 782	181 257	4 574
3399	Other miscellaneous mfg ..	—	29	13	1 621	51 622	1 387	2 657	40 373	125 781	48 080	173 746	4 495
33999	All other miscellaneous mfg .....	—	20	11	1 561	50 193	1 338	2 577	39 597	123 265	46 143	169 321	4 251
339992	Musical instrument mfg .....	—	10	6	1 060	34 234	954	1 865	29 768	85 512	27 682	112 108	2 107
339999	All other miscellaneous mfg .....	—	7	4	458	14 793	352	654	9 110	35 240	16 724	52 953	D
<b>31-33</b>	<b>EVANSVILLE-HENDERSON, IN-KY MSA</b>												
	<b>Manufacturing ....</b>	—	<b>433</b>	<b>174</b>	<b>30 411</b>	<b>1 101 461</b>	<b>21 331</b>	<b>43 061</b>	<b>674 499</b>	<b>4 564 313</b>	<b>4 426 593</b>	<b>8 946 000</b>	<b>333 162</b>
	Evansville-Henderson, IN-KY MSA (IN Part) .....	—	355	130	23 549	893 452	15 866	31 660	526 019	3 652 150	3 598 705	7 223 062	257 843
	Evansville-Henderson, IN-KY MSA (KY Part) .....	—	78	44	6 862	208 009	5 465	11 401	148 480	912 163	827 888	1 722 938	75 319
311	Food mfg .....	—	27	12	3 505	132 748	1 144	2 193	29 675	1 307 856	331 892	1 630 020	33 898
3115	Dairy product mfg .....	—	3	2	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	—	3	2	g	D	D	D	D	D	D	D	D
311514	Dry, condensed, & evaporated dairy product mfg .....	—	2	1	g	D	D	D	D	D	D	D	D
3116	Meat product mfg .....	—	4	1	e	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing .....	—	4	1	e	D	D	D	D	D	D	D	D
311615	Poultry processing .....	—	1	1	e	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	6	6	2	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	9	5	1	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	9	2	1	e	D	D	D	D	D	D	D	D
313	Textile mills .....	9	6	1	e	D	D	D	D	D	D	D	D
3133	Textile & fabric finishing & fabric coating mills .....	9	3	1	e	D	D	D	D	D	D	D	D
31331	Textile & fabric finishing mills .....	9	3	1	e	D	D	D	D	D	D	D	D
313312	Textile & fabric finishing mills .....	9	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	—	5	2	f	D	D	D	D	D	D	D	D
3149	Other textile product mills ..	—	2	2	f	D	D	D	D	D	D	D	D
31491	Textile bag & canvas mills .....	—	2	2	f	D	D	D	D	D	D	D	D
314912	Canvas & related product mills .....	—	2	2	f	D	D	D	D	D	D	D	D
321	Wood product mfg .....	—	18	6	465	10 150	397	918	7 813	19 173	30 960	50 589	1 403
3219	Other wood product mfg ...	—	12	4	341	7 348	295	727	5 801	14 719	22 399	37 340	978
322	Paper mfg .....	—	8	5	858	34 598	542	1 280	19 670	73 242	82 960	153 353	5 123
3222	Converted paper product mfg .....	—	7	4	f	D	D	D	D	D	D	D	5 123
32221	Paperboard container mfg .....	—	3	3	f	D	D	D	D	D	D	D	5 080
322212	Folding paperboard box 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>EVANSVILLE— HENDERSON, IN—KY MSA—Con.  Manufacturing— Con.</b>												
323	Printing & related support activities.....	7	42	8	618	17 158	474	863	11 663	38 677	27 153	65 715	3 553
3231	Printing & related support activities.....	7	42	8	618	17 158	474	863	11 663	38 677	27 153	65 715	3 553
32311	Printing.....	7	38	8	600	16 769	461	840	11 417	38 116	26 832	64 832	3 510
323110	Commercial lithographic printing ..	5	24	5	345	9 631	256	510	6 397	19 471	11 411	30 820	1 257
324	Petroleum & coal products mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	-	1	1	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	e	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	29	16	3 943	179 982	2 290	4 422	100 910	872 151	993 067	1 832 213	82 159
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
32521	Resin & synthetic rubber mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg.....	-	8	5	f	D	D	D	D	D	D	D	4 179
32551	Paint & coating mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
325510	Paint & coating mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
32552	Adhesive mfg.....	-	6	3	462	11 972	318	637	6 095	28 467	21 436	49 867	D
325520	Adhesive mfg.....	-	6	3	462	11 972	318	637	6 095	28 467	21 436	49 867	D
3259	Other chemical product mfg.....	-	9	5	603	23 743	349	684	10 846	48 284	142 858	190 130	4 574
32599	All other chemical product & preparation mfg.....	-	9	5	603	23 743	349	684	10 846	48 284	142 858	190 130	4 574
325991	Custom compounding of purchased resin...	-	9	5	603	23 743	349	684	10 846	48 284	142 858	190 130	4 574
326	Plastics & rubber products mfg.....	-	41	26	3 823	101 116	3 063	6 370	69 244	245 774	235 543	479 613	25 440
3261	Plastics product mfg.....	-	39	26	h	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg.....	-	5	3	315	10 130	257	506	6 825	24 045	40 705	64 357	D
32619	Other plastics product mfg.....	-	29	19	3 222	83 305	2 602	5 453	58 360	206 819	161 359	366 704	23 351
326199	All other plastics product mfg.....	-	29	19	3 222	83 305	2 602	5 453	58 360	206 819	161 359	366 704	23 351
327	Nonmetallic mineral product mfg.....	-	20	9	874	32 743	692	1 523	24 348	93 530	94 549	188 031	7 991
3272	Glass & glass product mfg.....	-	3	1	e	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg.....	-	3	1	e	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass.....	-	3	1	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg.....	-	11	6	269	8 219	206	451	5 562	22 285	17 490	39 477	D
331	Primary metal mfg.....	-	12	9	5 223	225 706	4 378	9 344	170 568	923 683	1 235 344	2 127 579	D
3313	Alumina & aluminum production & processing..	-	6	5	h	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing.....	-	6	5	h	D	D	D	D	D	D	D	D
331312	Primary aluminum production.....	-	2	2	g	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
3315	Foundries.....	-	3	2	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries.....	-	3	2	g	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries.....	-	1	1	e	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) ..	-	2	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>EVANSVILLE-HENDERSON, IN-KY MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg .....	-	76	28	2 480	77 481	1 880	3 667	50 995	168 858	167 999	334 871	15 191
3321	Forging & stamping .....	-	7	5	433	14 893	363	794	11 410	48 542	60 863	108 291	3 973
33211	Forging & stamping .....	-	7	5	433	14 893	363	794	11 410	48 542	60 863	108 291	3 973
332115	Crown & closure mfg ..	-	2	2	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg .....	-	15	8	631	21 574	446	910	14 022	41 940	35 920	76 713	2 712
33231	Plate work & fabricated structural product mfg ..	-	9	6	491	17 004	333	693	10 762	31 954	31 369	62 205	D
332312	Fabricated structural metal mfg .....	-	6	5	e	D	D	D	D	D	D	D	2 081
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	1	30	4	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities .	-	10	5	379	8 541	297	482	5 421	17 416	8 594	26 303	1 955
33281	Coating, engraving, heat treating, & allied activities .....	-	10	5	379	8 541	297	482	5 421	17 416	8 594	26 303	1 955
333	Machinery mfg .....	1	59	22	1 568	58 407	1 118	2 257	38 975	95 250	81 330	184 896	8 061
3332	Industrial machinery mfg ..	-	6	2	385	14 273	252	391	9 157	15 074	32 483	56 795	1 799
33329	Other industrial machinery mfg .....	-	4	1	e	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	2	35	12	716	30 816	536	1 192	22 164	47 531	21 797	69 341	4 468
33351	Metalworking machinery mfg .....	2	35	12	716	30 816	536	1 192	22 164	47 531	21 797	69 341	4 468
333511	Industrial mold mfg ....	1	13	5	262	12 326	219	493	10 040	22 108	6 262	28 185	2 183
333514	Special die & tool, die set, jig, & fixture mfg .	2	20	5	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	8	5	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance mfg ....	-	1	1	g	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	15	6	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	11	4	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	4	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	4	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	1	21	8	495	11 470	378	786	7 915	13 796	15 111	39 403	660
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	16	7	e	D	D	D	D	D	D	D	446
33712	Household & institutional furniture mfg .....	-	9	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	1	34	4	555	15 161	378	714	7 654	49 861	34 076	84 589	890
3399	Other miscellaneous mfg ..	1	18	4	489	13 955	331	653	7 013	46 520	32 571	79 696	727
33992	Sporting & athletic goods mfg .....	-	3	1	e	D	D	D	D	D	D	D	D
339920	Sporting & athletic goods mfg .....	-	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>FORT WAYNE, IN MSA</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	—	<b>955</b>	<b>432</b>	<b>69 514</b>	<b>2 347 224</b>	<b>52 263</b>	<b>107 676</b>	<b>1 543 480</b>	<b>6 445 764</b>	<b>8 863 305</b>	<b>15 295 787</b>	<b>439 468</b>
311	Food mfg . . . . .	—	37	19	2 839	82 608	1 746	3 727	44 814	343 398	684 521	1 023 165	43 397
3114	Fruit & vegetable preserving & specialty food mfg . . . . .	—	3	3	285	6 697	215	400	4 448	20 303	31 163	52 627	D
31142	Fruit & vegetable canning, pickling, & drying . . . . .	—	3	3	285	6 697	215	400	4 448	20 303	31 163	52 627	D
311421	Fruit & vegetable canning . . . . .	—	3	3	285	6 697	215	400	4 448	20 303	31 163	52 627	D
3115	Dairy product mfg . . . . .	—	4	4	661	23 923	500	1 152	14 930	119 090	233 436	350 552	17 367
31152	Ice cream & frozen dessert mfg . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
311520	Ice cream & frozen dessert mfg . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg . . . . .	—	11	4	646	21 498	235	483	5 722	48 683	26 854	75 562	D
31181	Bread & bakery product mfg . . . . .	—	10	3	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries . . . . .	—	5	3	f	D	D	D	D	D	D	D	461
3119	Other food mfg . . . . .	2	7	4	f	D	D	D	D	D	D	D	12 143
31191	Snack food mfg . . . . .	—	4	3	681	13 052	426	844	8 098	55 488	26 965	82 204	D
311919	Other snack food mfg . . . . .	—	4	3	681	13 052	426	844	8 098	55 488	26 965	82 204	D
314	Textile product mills . . . . .	1	10	2	267	4 229	259	524	3 385	5 953	15 347	21 120	246
321	Wood product mfg . . . . .	—	45	12	1 698	41 819	1 415	2 483	28 375	88 514	115 856	204 768	1 613
3219	Other wood product mfg . . . . .	—	39	11	1 581	39 268	1 321	2 275	26 484	81 852	108 148	190 780	1 474
32199	All other wood product mfg . . . . .	—	15	6	1 257	31 909	1 066	1 839	21 461	67 353	89 179	157 324	984
321991	Manufactured home (mobile home) mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
321992	Prefabricated wood building mfg . . . . .	—	3	2	f	D	D	D	D	D	D	D	D
322	Paper mfg . . . . .	—	19	14	1 390	47 016	1 041	2 170	31 604	149 325	200 650	350 800	4 967
3222	Converted paper product mfg . . . . .	—	19	14	1 390	47 016	1 041	2 170	31 604	149 325	200 650	350 800	4 967
32221	Paperboard container mfg . . . . .	1	13	10	1 004	32 823	746	1 564	21 449	72 141	111 289	183 393	3 775
322211	Corrugated & solid fiber box mfg . . . . .	—	7	5	520	18 331	355	717	11 005	38 137	62 466	100 568	2 251
322212	Folding paperboard box mfg . . . . .	3	3	3	346	11 166	280	619	7 975	21 893	29 515	51 045	D
323	Printing & related support activities . . . . .	5	81	20	1 730	47 399	1 274	2 521	29 994	96 271	73 388	169 876	7 010
3231	Printing & related support activities . . . . .	5	81	20	1 730	47 399	1 274	2 521	29 994	96 271	73 388	169 876	7 010
32311	Printing . . . . .	6	68	14	1 434	39 601	1 043	2 209	24 157	81 942	67 696	148 703	6 317
323110	Commercial lithographic printing . . . . .	6	36	11	1 124	31 015	836	1 837	19 605	62 460	52 619	114 168	5 130
32312	Support activities for printing . . . . .	1	13	6	296	7 798	231	312	5 837	14 329	5 692	21 173	693
325	Chemical mfg . . . . .	—	22	10	993	35 785	454	948	12 336	99 533	95 045	194 074	4 054
3256	Soap, cleaning compound, & toilet preparation mfg . . . . .	—	5	3	525	19 229	143	279	3 190	37 088	36 992	74 139	515
32561	Soap & cleaning compound mfg . . . . .	—	5	3	525	19 229	143	279	3 190	37 088	36 992	74 139	515
325611	Soap & other detergent mfg . . . . .	—	4	2	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	2	68	51	9 470	274 158	7 505	14 382	186 566	584 061	597 889	1 193 210	67 351
3261	Plastics product mfg . . . . .	4	46	37	5 580	151 235	4 503	8 819	101 918	380 302	380 211	764 066	37 529
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg . . . . .	2	5	4	415	12 940	290	551	7 203	34 340	21 450	55 496	2 188
326121	Unsupported plastics profile shape mfg . . . . .	2	5	4	415	12 940	290	551	7 203	34 340	21 450	55 496	2 188
32614	Polystyrene foam product mfg . . . . .	6	2	2	f	D	D	D	D	D	D	D	D
326140	Polystyrene foam product mfg . . . . .	6	2	2	f	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg . . . . .	9	2	2	e	D	D	D	D	D	D	D	D
326150	Urethane & other foam product (except polystyrene) mfg . . . . .	9	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg . . . . .	3	36	28	4 035	106 328	3 286	6 496	74 817	264 584	228 888	493 570	21 758
326199	All other plastics product mfg . . . . .	3	36	28	4 035	106 328	3 286	6 496	74 817	264 584	228 888	493 570	21 758

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>FORT WAYNE, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
326	Plastics & rubber products mfg—Con.												
3262	Rubber product mfg .....	-	22	14	3 890	122 923	3 002	5 563	84 648	203 759	217 678	429 144	29 822
32621	Tire mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
326211	Tire mfg (except retreading) .....	-	1	1	g	D	D	D	D	D	D	D	D
32629	Other rubber product mfg .....	-	19	12	g	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use .....	-	13	10	1 965	56 679	1 345	2 841	31 949	109 159	95 072	196 025	18 311
326299	All other rubber product mfg .....	-	6	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	1	36	17	1 561	54 492	1 277	2 704	41 161	135 584	150 067	285 230	12 108
3272	Glass & glass product mfg .....	-	6	2	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg .....	-	6	2	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass .....	-	6	2	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg .....	2	22	11	e	D	D	D	D	D	D	D	3 489
3279	Other nonmetallic mineral product mfg .....	4	5	3	e	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product mfg ...	5	4	2	251	8 031	190	422	5 583	20 198	23 492	43 770	D
331	Primary metal mfg .....	-	43	33	5 657	214 541	4 606	9 740	164 110	538 855	963 646	1 504 556	38 718
3311	Iron & steel mills & ferroalloy mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
331111	Iron & steel mills .....	-	3	3	g	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel .....	-	6	4	f	D	D	D	D	D	D	D	D
33121	Iron & steel pipes & tubes mfg from purchased steel .....	-	3	2	431	8 518	338	751	6 784	36 662	42 889	80 177	D
331210	Iron & steel pipes & tubes mfg from purchased steel .....	-	3	2	431	8 518	338	751	6 784	36 662	42 889	80 177	D
3314	Nonferrous metal (except aluminum) production & processing .....	-	11	8	1 018	40 386	840	1 781	31 577	97 411	449 026	547 804	D
33142	Copper rolling, drawing, extruding, & alloying ...	-	3	3	e	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	-	8	5	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding .....	-	6	4	f	D	D	D	D	D	D	D	7 524
3315	Foundries .....	-	21	17	2 806	102 970	2 296	4 891	76 553	220 784	267 370	486 934	8 917
33151	Ferrous metal foundries ..	-	8	5	g	D	D	D	D	D	D	D	5 890
331511	Iron foundries .....	-	8	5	g	D	D	D	D	D	D	D	5 890
33152	Nonferrous metal foundries .....	-	13	12	g	D	D	D	D	D	D	D	3 027
331524	Aluminum foundries (except die-casting) ..	-	7	7	1 345	48 177	1 116	2 451	36 875	100 831	169 008	269 007	2 250
332	Fabricated metal product mfg .....	-	194	71	7 375	226 331	5 592	11 223	145 035	575 813	539 091	1 108 967	39 340
3321	Forging & stamping .....	-	10	6	589	17 175	421	889	11 136	36 758	33 486	69 845	2 131
33211	Forging & stamping .....	-	10	6	589	17 175	421	889	11 136	36 758	33 486	69 845	2 131
332116	Metal stamping .....	-	8	5	f	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg ...	-	3	2	f	D	D	D	D	D	D	D	D
33221	Cutlery & handtool mfg ...	-	3	2	f	D	D	D	D	D	D	D	D
332212	Hand & edge tool mfg ..	-	2	1	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, & pan mfg .....	-	1	1	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg .....	-	30	19	1 759	59 944	1 253	2 513	35 766	194 954	246 045	441 239	4 835
33231	Plate work & fabricated structural product mfg ..	-	14	7	798	32 751	536	1 083	19 869	95 661	120 955	218 381	854
332311	Prefabricated metal building & component mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal mfg .....	-	9	6	f	D	D	D	D	D	D	D	295
33232	Ornamental & architectural metal products mfg .....	-	16	12	961	27 193	717	1 430	15 897	99 293	125 090	222 858	3 981
332321	Metal window & door mfg .....	-	4	4	e	D	D	D	D	D	D	D	1 747
332322	Sheet metal work mfg ..	-	9	6	333	9 424	235	442	5 055	23 209	16 310	39 325	1 339

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>FORT WAYNE, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3325	Hardware mfg.....	—	4	4	f	D	D	D	D	D	D	D	D
33251	Hardware mfg.....	—	4	4	f	D	D	D	D	D	D	D	D
332510	Hardware mfg.....	—	4	4	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	—	93	18	1 678	54 688	1 355	2 985	38 873	103 848	99 283	201 211	15 933
33271	Machine shops.....	2	78	8	739	21 795	596	1 511	14 901	35 243	23 701	58 186	4 525
332710	Machine shops.....	2	78	8	739	21 795	596	1 511	14 901	35 243	23 701	58 186	4 525
33272	Turned product & screw, nut, & bolt mfg.....	—	15	10	939	32 893	759	1 474	23 972	68 605	75 582	143 025	11 408
332721	Precision turned product mfg.....	—	11	6	567	18 306	451	872	12 416	35 590	14 323	49 477	9 235
332722	Bolt, nut, screw, rivet, & washer mfg.....	—	4	4	372	14 587	308	602	11 556	33 015	61 259	93 548	2 173
3328	Coating, engraving, heat treating, & allied activities.	2	28	13	971	23 759	769	1 310	16 208	56 083	16 776	72 226	6 193
33281	Coating, engraving, heat treating, & allied activities.....	2	28	13	971	23 759	769	1 310	16 208	56 083	16 776	72 226	6 193
332812	Metal coating/engraving (exc jewelry/silverware)/allied services.....	3	13	6	512	10 581	387	571	7 247	32 898	10 158	42 217	3 898
332813	Electroplating, plating, polishing, anodizing, & coloring.....	2	9	4	279	8 046	224	423	4 954	12 353	3 614	16 174	742
3329	Other fabricated metal product mfg.....	—	21	9	907	26 812	692	1 460	17 633	62 943	39 448	101 505	3 242
33299	All other fabricated metal product mfg.....	—	18	7	f	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg.....	—	2	2	e	D	D	D	D	D	D	D	D
333	Machinery mfg.....	—	153	71	7 124	243 635	4 867	9 456	138 738	494 162	361 803	853 768	48 606
3331	Agriculture, construction, & mining machinery mfg....	1	13	8	662	21 949	463	963	13 475	51 221	46 106	96 365	918
33312	Construction machinery mfg.....	1	6	5	412	13 606	274	599	8 106	36 966	31 033	68 201	502
333120	Construction machinery mfg.....	1	6	5	412	13 606	274	599	8 106	36 966	31 033	68 201	502
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	—	10	5	1 001	22 517	722	1 333	13 054	70 335	52 829	123 005	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg.	—	10	5	1 001	22 517	722	1 333	13 054	70 335	52 829	123 005	D
333415	AC & warm air heating & commercial/industrial refrig equip mfg.....	—	5	4	900	19 897	654	1 213	11 691	63 986	42 900	106 857	D
3335	Metalworking machinery mfg.....	—	86	37	2 580	98 449	1 859	4 021	68 144	188 957	83 499	270 586	14 292
33351	Metalworking machinery mfg.....	—	86	37	2 580	98 449	1 859	4 021	68 144	188 957	83 499	270 586	14 292
333511	Industrial mold mfg....	—	22	11	529	21 343	410	899	16 506	38 871	11 434	50 816	4 021
333514	Special die & tool, die set, jig, & fixture mfg.	—	48	15	1 226	43 488	855	1 845	29 865	83 260	36 358	119 218	8 544
333515	Cutting tool & machine tool accessory mfg..	—	9	5	e	D	D	D	D	D	D	D	919
333518	Other metalworking machinery mfg.....	—	6	5	495	22 193	350	784	13 786	49 296	29 767	79 023	D
3336	Engine, turbine, & power transmission equipment mfg.....	—	3	2	e	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg.....	—	3	2	e	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, & gear mfg....	—	1	1	e	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg.....	—	24	15	2 217	75 220	1 499	2 363	33 964	138 655	143 622	282 919	17 637
33391	Pump & compressor mfg.....	—	4	3	1 244	40 495	817	949	13 769	61 051	88 469	151 308	D
333913	Measuring & dispensing pump mfg.....	—	3	3	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg.....	—	5	4	423	14 045	268	540	6 574	20 172	22 889	42 506	9 990
33399	All other general-purpose machinery mfg.....	—	15	8	550	20 680	414	874	13 621	57 432	32 264	89 105	D
333995	Fluid power cylinder & actuator mfg.....	—	6	4	311	11 006	238	514	7 306	40 210	13 899	53 498	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>FORT WAYNE, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
334	Computer & electronic product mfg.....	-	37	19	7 714	294 648	4 656	9 759	134 756	606 243	463 033	1 070 884	35 888
3342	Communications equipment mfg.....	-	3	2	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	3	2	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	3	2	h	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	1	18	11	1 969	49 283	1 430	2 681	27 514	106 120	74 616	183 299	12 252
33441	Semiconductor & other electronic component mfg.....	1	18	11	1 969	49 283	1 430	2 681	27 514	106 120	74 616	183 299	12 252
334415	Electronic resistor mfg.....	1	3	3	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg.....	-	5	4	924	24 761	554	1 167	10 341	57 988	52 118	112 206	D
3345	Navigational, measuring, medical, & control instruments mfg.....	-	14	5	955	25 409	730	1 389	14 223	71 494	72 148	144 872	D
33451	Navigational, measuring, medical, & control instruments mfg.....	-	14	5	955	25 409	730	1 389	14 223	71 494	72 148	144 872	D
334512	Automatic environmental control mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	-	26	22	3 854	112 327	3 000	5 870	73 688	297 005	341 440	629 899	8 275
3352	Household appliance mfg..	-	1	1	e	D	D	D	D	D	D	D	D
33521	Small electrical appliance mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
335211	Electric housewares & household fan mfg...	-	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	10	9	2 433	82 758	1 877	3 560	52 679	175 204	109 917	284 722	3 895
33531	Electrical equipment mfg.....	-	10	9	2 433	82 758	1 877	3 560	52 679	175 204	109 917	284 722	3 895
335311	Power, distribution, & specialty transformer mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
335312	Motor & generator mfg.....	-	5	5	1 784	59 758	1 346	2 469	36 161	103 201	53 938	156 949	2 410
3359	Other electrical equipment & component mfg.....	-	11	10	975	22 764	808	1 708	17 178	96 174	189 650	282 436	3 909
33592	Communication & energy wire & cable mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg...	-	2	2	e	D	D	D	D	D	D	D	D
33593	Wiring device mfg.....	1	3	3	e	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg.....	1	3	3	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg.....	-	6	5	315	6 647	241	460	4 630	17 505	16 676	33 882	952
335999	All other miscellaneous electrical equipment & component mfg.....	-	6	5	315	6 647	241	460	4 630	17 505	16 676	33 882	952
336	Transportation equipment mfg.....	-	66	44	14 798	586 710	12 311	27 767	459 926	2 107 175	4 008 200	6 107 906	116 242
3361	Motor vehicle mfg.....	-	3	3	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg.....	-	2	2	h	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg.....	-	1	1	h	D	D	D	D	D	D	D	D
33612	Heavy duty truck mfg...	-	1	1	e	D	D	D	D	D	D	D	D
336120	Heavy duty truck mfg..	-	1	1	e	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg.....	-	9	7	g	D	D	D	D	D	D	D	1 950
33621	Motor vehicle body & trailer mfg.....	-	9	7	g	D	D	D	D	D	D	D	1 950
336212	Truck trailer mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
336213	Motor home mfg.....	-	3	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>FORT WAYNE, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg ...	-	47	30	8 933	329 086	7 318	16 279	248 964	949 537	1 053 336	1 997 150	63 156
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, & valve mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	12	8	3 211	164 926	2 368	5 448	134 950	467 752	655 605	1 115 831	D
336350	Motor vehicle transmission & power train parts mfg .....	-	12	8	3 211	164 926	2 368	5 448	134 950	467 752	655 605	1 115 831	D
33637	Motor vehicle metal stamping .....	-	7	4	565	18 170	447	1 029	12 728	42 135	52 888	95 275	7 556
336370	Motor vehicle metal stamping .....	-	7	4	565	18 170	447	1 029	12 728	42 135	52 888	95 275	7 556
33639	Other motor vehicle parts mfg .....	1	10	7	935	28 332	782	1 724	22 234	83 397	69 773	152 517	10 171
336399	All other motor vehicle parts mfg .....	1	10	7	935	28 332	782	1 724	22 234	83 397	69 773	152 517	10 171
3364	Aerospace product & parts mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3366	Ship & boat building .....	6	2	2	e	D	D	D	D	D	D	D	D
33661	Ship & boat building .....	6	2	2	e	D	D	D	D	D	D	D	D
336612	Boat building .....	6	2	2	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	40	13	1 260	35 351	934	1 905	21 352	65 047	45 385	110 540	2 131
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	30	8	1 000	27 343	782	1 603	17 459	45 749	32 161	77 858	1 417
33711	Wood kitchen cabinet & counter top mfg .....	-	20	4	524	14 032	423	863	10 032	23 647	16 923	40 526	862
337110	Wood kitchen cabinet & counter top mfg ...	-	20	4	524	14 032	423	863	10 032	23 647	16 923	40 526	862
33712	Household & institutional furniture mfg .....	-	10	4	476	13 311	359	740	7 427	22 102	15 238	37 332	555
337121	Upholstered household furniture mfg .....	-	4	3	398	11 861	295	630	6 412	19 493	11 600	31 091	387
339	Miscellaneous mfg .....	-	54	11	1 433	34 192	1 018	1 728	19 101	182 294	113 541	297 714	6 014
3399	Other miscellaneous mfg ..	-	34	10	1 302	30 470	924	1 564	16 590	172 422	110 654	284 838	5 727
33993	Doll, toy, & game mfg ...	-	2	1	f	D	D	D	D	D	D	D	D
339932	Game, toy, & children's vehicle mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg .....	-	8	4	483	10 445	315	645	6 868	29 708	20 254	50 554	D
339991	Gasket, packing, & sealing device mfg ...	-	4	3	353	8 328	203	423	5 442	21 152	18 031	40 234	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN MSA</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>2 014</b>	<b>712</b>	<b>106 283</b>	<b>4 305 855</b>	<b>77 364</b>	<b>158 183</b>	<b>2 767 592</b>	<b>15 170 091</b>	<b>12 016 247</b>	<b>26 773 226</b>	<b>974 154</b>
311	Food mfg .....	-	77	35	5 713	188 896	3 701	7 471	105 857	797 825	1 047 755	1 841 945	72 617
3112	Grain & oilseed milling ...	-	6	5	1 137	48 310	844	1 946	34 813	322 862	512 144	827 317	46 767
31122	Starch & vegetable fats & oils mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
311225	Fats & oils refining & blending .....	-	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying .....	-	2	2	e	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning .....	-	2	2	e	D	D	D	D	D	D	D	D
3115	Dairy product mfg .....	-	4	4	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	-	3	3	659	21 875	478	989	14 637	61 278	157 019	217 501	2 419
311511	Fluid milk mfg .....	-	3	3	659	21 875	478	989	14 637	61 278	157 019	217 501	2 419
3116	Meat product mfg .....	2	6	3	464	12 019	346	685	5 658	62 479	60 610	123 146	4 888
31161	Animal slaughtering & processing .....	2	6	3	464	12 019	346	685	5 658	62 479	60 610	123 146	4 888
311612	Meat processed from carcasses .....	1	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	-	35	14	2 096	66 717	1 256	2 284	32 360	222 308	131 232	355 794	10 509
31181	Bread & bakery product mfg .....	-	32	13	2 000	64 539	1 197	2 155	30 750	218 648	125 714	346 290	D
311812	Commercial bakeries ..	-	14	9	1 751	60 356	1 014	1 958	28 306	208 957	118 317	329 160	9 995
3119	Other food mfg .....	-	11	6	757	24 249	402	864	10 229	61 590	71 212	133 351	4 158
31193	Flavoring syrup & concentrate mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
311930	Flavoring syrup & concentrate mfg .....	-	2	1	e	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg .....	-	5	2	e	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, & other prepared sauce mfg .....	-	3	2	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg .....	7	10	7	1 252	46 123	390	907	12 277	337 999	391 037	725 850	15 469
3121	Beverage mfg .....	7	10	7	1 252	46 123	390	907	12 277	337 999	391 037	725 850	15 469
31211	Soft drink & ice mfg .....	7	7	7	1 239	45 898	381	900	12 147	336 853	390 006	723 720	D
312111	Soft drink mfg .....	7	4	4	g	D	D	D	D	D	D	D	D
314	Textile product mills .....	1	34	6	596	16 205	493	852	8 023	27 448	17 814	44 780	1 468
3149	Other textile product mills ..	-	20	5	497	14 682	419	734	7 128	25 005	15 381	39 921	D
31499	All other textile product mills .....	-	10	4	419	12 814	356	611	5 901	21 366	12 197	33 099	D
314999	All other miscellaneous textile product mills ..	-	10	4	419	12 814	356	611	5 901	21 366	12 197	33 099	D
315	Apparel mfg .....	2	18	4	351	7 862	297	557	4 886	19 268	16 846	35 773	854
3152	Cut & sew apparel mfg ....	2	15	4	e	D	D	D	D	D	D	D	D
321	Wood product mfg .....	1	60	24	2 147	56 355	1 762	3 360	34 857	127 272	144 155	271 608	9 833
3212	Veneer, plywood, & engineered wood product mfg .....	1	11	9	1 221	32 225	1 057	1 996	20 110	71 137	66 711	135 602	5 719
32121	Veneer, plywood, & engineered wood product mfg .....	1	11	9	1 221	32 225	1 057	1 996	20 110	71 137	66 711	135 602	5 719
321211	Hardwood veneer & plywood mfg .....	-	6	6	958	26 351	848	1 618	16 394	60 192	53 727	111 542	4 979
3219	Other wood product mfg ...	2	45	12	791	20 989	591	1 131	12 299	46 509	60 723	107 599	3 496
32191	Millwork .....	1	12	5	407	13 448	274	629	6 951	28 034	41 465	69 827	2 547
321912	Cut stock, resawing lumber, & planing ....	-	3	3	e	D	D	D	D	D	D	D	D
322	Paper mfg .....	-	36	26	3 063	100 023	2 261	4 746	61 530	309 259	372 707	673 979	21 735
3222	Converted paper product mfg .....	-	35	25	h	D	D	D	D	D	D	D	D
32221	Paperboard container mfg .....	-	21	13	1 453	53 353	1 114	2 279	33 195	128 888	136 818	263 060	10 813
322211	Corrugated & solid fiber box mfg .....	-	15	10	827	28 408	639	1 290	17 095	68 288	99 665	167 912	D
322212	Folding paperboard box mfg .....	-	4	2	e	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg ....	-	6	6	526	18 379	409	884	12 876	75 699	126 883	199 844	6 653
322221	Coated & laminated packaging paper & plastics film mfg .....	-	2	2	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg ...	-	6	4	e	D	D	D	D	D	D	D	D
322232	Envelope mfg .....	-	3	3	360	11 375	268	591	7 726	27 569	25 275	51 907	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
322	Paper mfg—Con.												
3222	Converted paper product mfg—Con.												
32229	Other converted paper product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg ...	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	1	312	70	6 438	191 578	4 665	8 913	116 551	495 756	398 554	892 910	33 569
3231	Printing & related support activities.....	1	312	70	6 438	191 578	4 665	8 913	116 551	495 756	398 554	892 910	33 569
32311	Printing .....	1	271	52	5 331	158 206	3 810	7 256	96 209	430 985	379 403	808 844	28 953
323110	Commercial .....	1	134	31	2 662	89 586	1 827	3 706	52 177	189 784	201 692	391 118	22 069
323113	lithographic printing ..	-	20	2	878	18 652	698	1 220	11 772	69 996	98 674	167 680	1 193
323114	Commercial screen printing.....	2	66	3	550	14 326	344	470	6 500	26 968	14 757	41 373	1 653
323116	Quick printing .....	-	11	8	654	19 951	522	1 053	15 314	88 429	26 502	115 063	2 642
323119	Manifold business form printing .....	4	23	3	359	8 355	257	505	5 769	26 694	8 918	35 624	845
323119	Other commercial printing.....	3	41	18	1 107	33 372	855	1 657	20 342	64 771	19 151	84 066	4 616
32312	Support activities for printing.....	3	16	8	519	12 593	433	825	8 683	23 960	9 085	33 100	2 562
323121	Tradebinding & related work .....	3	25	10	588	20 779	422	832	11 659	40 811	10 066	50 966	2 054
323122	Prepress services .....	-	74	28	6 104	370 064	3 356	6 924	157 717	5 276 023	1 658 846	6 477 847	107 063
325	Chemical mfg .....	-	8	2	f	D	D	D	D	D	D	D	D
3251	Basic chemical mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg .....	-	10	4	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	-	10	4	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	-	7	2	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg .....	1	10	7	e	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg .....	1	9	6	388	18 032	260	423	9 759	32 738	64 309	103 483	1 641
32551	Paint & coating mfg .....	1	9	6	388	18 032	260	423	9 759	32 738	64 309	103 483	1 641
325510	Paint & coating mfg ...	5	22	8	f	D	D	D	D	D	D	D	5 179
3256	Soap, cleaning compound, & toilet preparation mfg ..	3	20	6	e	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg .....	8	2	2	f	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	8	2	2	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg .	2	23	7	f	D	D	D	D	D	D	D	8 591
3259	Other chemical product mfg .....	2	18	6	e	D	D	D	D	D	D	D	8 262
32599	All other chemical product & preparation mfg .....	-	8	4	303	10 830	219	447	6 648	30 020	38 900	68 663	4 256
325991	Custom compounding of purchased resin ...	1	98	47	6 121	174 820	4 780	9 367	114 387	497 285	422 731	917 376	42 935
326	Plastics & rubber products mfg .....	2	70	41	4 940	134 212	3 817	7 573	85 821	298 502	324 221	620 787	36 902
3261	Plastics product mfg .....	2	9	7	708	21 060	518	982	11 933	40 285	35 817	76 048	2 454
32611	Unsupported plastics film, sheet, & bag mfg ..	-	3	2	396	10 033	315	583	6 958	11 118	12 203	23 061	1 418
326111	Unsupported plastics bag mfg .....	1	48	30	3 833	100 268	2 968	5 792	63 994	214 674	230 776	444 292	29 190
32619	Other plastics product mfg .....	1	43	28	3 734	97 935	2 890	5 633	62 298	211 032	228 564	438 392	29 153
326199	All other plastics product mfg .....	1	28	6	1 181	40 608	963	1 794	28 566	198 783	98 510	296 589	6 033
3262	Rubber product mfg .....	1	16	5	1 078	38 133	874	1 605	26 496	193 650	91 164	284 068	5 339
32629	Other rubber product mfg .....	-	7	3	f	D	D	D	D	D	D	D	4 172
326291	Rubber product mfg for mechanical use .....												



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANAPOLIS, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
327	Nonmetallic mineral product mfg . . . . .	1	90	31	3 778	136 831	2 880	6 146	91 910	325 454	291 865	626 462	28 111
3272	Glass & glass product mfg . . . . .	—	15	4	1 026	36 468	863	1 928	29 269	103 452	76 056	181 384	D
32721	Glass & glass product mfg . . . . .	—	15	4	1 026	36 468	863	1 928	29 269	103 452	76 056	181 384	D
327213	Glass container mfg . . . . .	—	1	1	e	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass . . . . .	—	14	3	f	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg . . . . .	3	54	19	1 303	46 174	952	2 034	28 963	117 214	123 178	240 047	11 015
32732	Ready-mix concrete mfg . . . . .	4	30	9	611	24 465	520	1 090	17 043	66 911	69 828	136 576	3 392
327320	Ready-mix concrete mfg . . . . .	4	30	9	611	24 465	520	1 090	17 043	66 911	69 828	136 576	3 392
32733	Concrete pipe, brick, & block mfg . . . . .	1	7	6	e	D	D	D	D	D	D	D	5 350
32739	Other concrete product mfg . . . . .	2	15	4	321	11 045	234	526	6 234	20 609	23 040	43 900	D
327390	Other concrete product mfg . . . . .	2	15	4	321	11 045	234	526	6 234	20 609	23 040	43 900	D
3279	Other nonmetallic mineral product mfg . . . . .	—	15	7	g	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product mfg . . . . .	—	12	6	1 254	48 674	901	1 862	29 264	87 013	87 211	181 891	6 682
327993	Mineral wool mfg . . . . .	—	5	3	1 007	40 457	746	1 527	25 947	68 215	73 308	148 748	D
331	Primary metal mfg . . . . .	—	35	25	4 951	243 144	3 971	8 757	186 274	471 855	509 163	983 196	89 547
3312	Steel product mfg from purchased steel . . . . .	—	4	4	279	8 971	218	504	6 243	22 507	34 657	55 807	657
33122	Rolling & drawing of purchased steel . . . . .	—	3	3	e	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	—	7	5	1 363	53 261	967	2 020	31 538	90 307	226 450	323 265	D
33142	Copper rolling, drawing, extruding, & alloying . . . . .	—	2	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . . . .	—	5	4	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	—	3	3	274	11 887	132	168	2 660	S	S	68 539	D
3315	Foundries . . . . .	—	20	12	3 023	170 185	2 591	5 756	141 171	327 954	199 071	524 120	D
33151	Ferrous metal foundries . . . . .	—	9	8	2 289	145 605	1 945	4 550	122 154	255 585	122 534	375 570	D
331511	Iron foundries . . . . .	—	6	5	1 990	137 292	1 707	4 060	116 262	240 385	112 780	351 300	38 838
33152	Nonferrous metal foundries . . . . .	—	11	4	734	24 580	646	1 206	19 017	72 369	76 537	148 550	D
331521	Aluminum die-casting foundries . . . . .	—	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	—	433	158	15 105	513 633	11 428	23 417	329 679	1 291 934	866 406	2 192 006	84 471
3321	Forging & stamping . . . . .	1	14	7	623	35 611	441	1 149	25 877	90 184	66 419	150 034	3 222
33211	Forging & stamping . . . . .	1	14	7	623	35 611	441	1 149	25 877	90 184	66 419	150 034	3 222
332117	Powder metallurgy part mfg . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg . . . . .	1	75	34	2 942	99 854	2 061	4 563	58 372	229 210	238 145	466 252	10 236
33231	Plate work & fabricated structural product mfg . . . . .	—	21	8	449	16 890	308	669	9 251	46 548	96 375	142 990	2 442
332312	Fabricated structural metal mfg . . . . .	—	16	7	367	14 579	247	566	7 636	41 730	92 367	134 342	1 501
33232	Ornamental & architectural metal products mfg . . . . .	1	54	26	2 493	82 964	1 753	3 894	49 121	182 662	141 770	323 262	7 794
332321	Metal window & door mfg . . . . .	—	6	2	e	D	D	D	D	D	D	D	1 216
332322	Sheet metal work mfg . . . . .	1	35	19	1 756	56 477	1 305	2 872	36 094	111 550	79 560	190 974	6 316
332323	Ornamental & architectural metal work mfg . . . . .	1	13	5	e	D	D	D	D	D	D	D	262
3324	Boiler, tank, & shipping container mfg . . . . .	1	8	4	290	10 035	200	400	6 257	20 562	15 248	35 994	772
3325	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
33251	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
332510	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
3326	Spring & wire product mfg . . . . .	1	10	6	620	17 817	505	987	12 904	36 048	28 130	64 515	848
33261	Spring & wire product mfg . . . . .	1	10	6	620	17 817	505	987	12 904	36 048	28 130	64 515	848
332611	Spring (heavy gauge) 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	1	192	52	4 114	131 021	3 188	6 217	86 913	254 871	128 018	383 715	22 376
33271	Machine shops .....	1	162	36	2 405	75 600	1 855	3 433	49 931	141 569	68 516	209 096	10 300
332710	Machine shops .....	1	162	36	2 405	75 600	1 855	3 433	49 931	141 569	68 516	209 096	10 300
33272	Turned product & screw, nut, & bolt mfg .....	1	30	16	1 709	55 421	1 333	2 784	36 982	113 302	59 502	174 619	12 076
332721	Precision turned product mfg .....	1	19	11	1 442	46 946	1 129	2 416	31 579	91 797	43 834	137 762	11 104
332722	Bolt, nut, screw, rivet, & washer mfg .....	2	11	5	267	8 475	204	368	5 403	21 505	15 668	36 857	972
3328	Coating, engraving, heat treating, & allied activities.	—	69	26	2 312	65 944	1 777	3 326	42 525	152 022	87 464	244 781	20 094
33281	Coating, engraving, heat treating, & allied activities .....	—	69	26	2 312	65 944	1 777	3 326	42 525	152 022	87 464	244 781	20 094
332812	Metal coating/engraving (exc jewelry/silverware)/ allied services .....	—	25	10	1 067	31 070	803	1 453	19 875	81 590	59 290	146 017	15 536
332813	Electroplating, plating, polishing, anodizing, & coloring .....	—	32	11	1 025	26 689	815	1 553	18 000	53 177	24 916	78 243	2 519
3329	Other fabricated metal product mfg .....	—	53	22	2 576	92 184	1 952	4 130	58 836	303 631	215 010	554 207	17 687
33291	Metal valve mfg .....	—	8	6	591	22 037	445	957	14 090	101 454	91 179	227 975	7 366
332911	Industrial valve mfg ...	—	5	4	e	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg .....	—	3	2	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg .....	—	45	16	1 985	70 147	1 507	3 173	44 746	202 177	123 831	326 232	10 321
332991	Ball & roller bearing mfg .....	—	3	3	f	D	D	D	D	D	D	D	5 741
332999	All other miscellaneous fabricated metal product mfg .....	—	27	10	1 036	31 184	782	1 712	19 662	62 779	52 329	115 103	4 312
333	Machinery mfg .....	—	237	88	11 113	432 774	7 917	15 099	273 561	1 022 414	1 454 239	2 477 419	61 745
3331	Agriculture, construction, & mining machinery mfg ....	1	15	9	637	21 424	452	845	12 104	51 192	61 670	112 534	4 619
33311	Agricultural implement mfg .....	—	9	6	479	16 720	362	676	9 755	39 610	50 171	89 479	3 940
333111	Farm machinery & equipment mfg .....	—	5	3	e	D	D	D	D	D	D	D	3 571
3332	Industrial machinery mfg ..	—	27	10	857	36 117	517	1 076	17 978	71 885	67 662	138 941	4 210
33321	Sawmill & woodworking machinery mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
333210	Sawmill & woodworking machinery mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg .....	—	25	8	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	2	10	3	339	11 973	139	291	4 274	27 633	23 006	51 079	944
33331	Commercial & service industry machinery mfg .....	2	10	3	339	11 973	139	291	4 274	27 633	23 006	51 079	944
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	—	13	8	1 997	69 766	1 737	2 787	54 156	256 645	222 786	484 966	6 693
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	13	8	1 997	69 766	1 737	2 787	54 156	256 645	222 786	484 966	6 693
333412	Industrial & commercial fan & blower mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	—	10	5	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	1	94	23	1 775	67 546	1 162	2 431	38 063	105 477	77 241	180 544	6 554
33351	Metalworking machinery mfg .....	1	94	23	1 775	67 546	1 162	2 431	38 063	105 477	77 241	180 544	6 554
333512	Machine tool (metal cutting types) mfg ...	—	3	3	e	D	D	D	D	D	D	D	1 450
333514	Special die & tool, die set, jig, & fixture mfg ..	—	54	10	700	26 099	525	1 082	17 368	41 553	19 421	59 798	2 890
333518	Other metalworking machinery mfg .....	2	12	6	460	17 653	294	615	10 226	31 747	16 356	47 882	985

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg .....	—	14	7	3 145	136 476	2 439	4 604	102 367	336 951	799 780	1 129 963	30 169
33361	Engine, turbine, & power transmission equipment mfg .....	—	14	7	3 145	136 476	2 439	4 604	102 367	336 951	799 780	1 129 963	30 169
333611	Turbine & turbine generator set unit mfg .....	—	2	1	e	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg .....	—	5	3	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg .....	—	5	3	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	1	64	28	2 363	89 472	1 471	3 065	44 619	172 631	202 094	379 392	8 556
33391	Pump & compressor mfg .....	—	10	8	664	30 331	294	497	10 429	49 095	70 720	128 124	2 455
333911	Pump & pumping equipment mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
333912	Air & gas compressor mfg .....	—	8	6	e	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg .....	3	25	11	863	28 149	645	1 578	18 553	64 944	81 964	144 567	2 874
333922	Conveyor & conveying equipment mfg .....	1	18	7	471	15 228	338	849	9 480	30 812	38 696	70 742	1 552
333924	Industrial truck, tractor, trailer, & stacker machinery mfg .....	—	4	3	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg .....	—	29	9	836	30 992	532	990	15 637	58 592	49 410	106 701	3 227
333994	Industrial process furnace & oven mfg ..	—	6	3	315	12 094	208	420	6 075	31 469	15 855	46 740	D
333999	All other miscellaneous general-purpose machinery mfg .....	—	20	5	e	D	D	D	D	D	D	D	1 460
334	Computer & electronic product mfg .....	4	75	33	4 482	128 956	2 954	6 021	62 279	372 328	376 759	760 226	23 862
3342	Communications equipment mfg .....	4	10	2	e	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg .....	5	7	2	345	8 240	227	399	4 517	18 020	12 989	31 139	788
334220	Radio & TV broadcasting & wireless communications equipment mfg .....	5	7	2	345	8 240	227	399	4 517	18 020	12 989	31 139	788
3343	Audio & video equipment mfg .....	5	6	4	1 637	46 137	1 239	2 610	25 125	163 476	240 166	416 672	D
33431	Audio & video equipment mfg .....	5	6	4	1 637	46 137	1 239	2 610	25 125	163 476	240 166	416 672	D
334310	Audio & video equipment mfg .....	5	6	4	1 637	46 137	1 239	2 610	25 125	163 476	240 166	416 672	D
3344	Semiconductor & other electronic component mfg .....	1	26	11	1 104	28 434	817	1 658	15 555	59 521	41 153	97 541	4 743
33441	Semiconductor & other electronic component mfg .....	1	26	11	1 104	28 434	817	1 658	15 555	59 521	41 153	97 541	4 743
334418	Printed circuit assembly (electronic assembly) mfg .....	1	3	3	e	D	D	D	D	D	D	D	D
334419	Other electronic component mfg .....	—	10	7	485	10 501	372	668	5 476	19 916	15 913	35 877	412
3345	Navigational, measuring, medical, & control instruments mfg .....	1	23	11	952	33 820	416	856	11 238	100 592	58 317	160 473	9 090
33451	Navigational, measuring, medical, & control instruments mfg .....	1	23	11	952	33 820	416	856	11 238	100 592	58 317	160 473	9 090
334515	Electricity measuring & testing instrument mfg .....	1	6	4	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	2	30	10	795	27 877	491	903	13 785	60 887	42 109	103 342	1 900
3353	Electrical equipment mfg ..	2	14	5	350	13 982	228	424	7 495	24 420	17 429	41 825	416
33531	Electrical equipment mfg .....	2	14	5	350	13 982	228	424	7 495	24 420	17 429	41 825	416

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg .....	—	91	49	28 280	1 510 389	21 662	46 350	1 095 040	3 318 773	3 657 604	6 976 967	357 658
3362	Motor vehicle body & trailer mfg .....	5	9	4	351	9 075	287	612	6 583	17 390	17 987	35 669	D
33621	Motor vehicle body & trailer mfg .....	5	9	4	351	9 075	287	612	6 583	17 390	17 987	35 669	D
336211	Motor vehicle body mfg .....	6	7	3	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	55	33	22 596	1 191 235	18 612	39 433	941 673	2 708 502	3 065 130	5 792 990	325 350
33631	Motor vehicle gasoline engine & engine parts mfg .....	—	11	8	2 315	75 278	1 825	3 722	47 941	213 915	296 161	514 431	50 004
336312	Gasoline engine & engine parts mfg ....	—	8	6	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg .....	—	11	7	i	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg .....	—	1	1	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg .....	—	10	6	4 756	239 119	4 207	6 942	211 790	354 266	717 317	1 074 452	D
33633	Motor vehicle steering & suspension component (except spring) mfg ....	—	5	4	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg .....	—	5	4	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	—	4	3	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	—	4	3	h	D	D	D	D	D	D	D	D
33636	Motor vehicle seating & interior trim mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg ...	—	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	—	5	3	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	—	5	3	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	—	15	4	2 103	59 105	1 881	4 142	49 037	184 667	329 880	515 027	35 740
336399	All other motor vehicle parts mfg .....	—	15	4	2 103	59 105	1 881	4 142	49 037	184 667	329 880	515 027	35 740
3364	Aerospace product & parts mfg .....	—	11	10	5 211	305 931	2 671	6 148	144 090	584 461	558 621	1 123 663	30 889
33641	Aerospace product & parts mfg .....	—	11	10	5 211	305 931	2 671	6 148	144 090	584 461	558 621	1 123 663	30 889
336412	Aircraft engine & engine parts mfg ....	—	6	6	h	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg .....	—	4	3	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	—	96	26	2 347	65 458	1 763	3 562	42 006	142 069	126 520	266 011	13 136
3371	Household & institutional furniture & kitchen cabinet mfg .....	—	65	12	1 389	37 911	1 075	2 162	27 007	89 115	79 718	167 635	10 292
33711	Wood kitchen cabinet & counter top mfg .....	—	38	7	554	13 891	422	836	9 277	26 099	29 191	55 197	8 709
337110	Wood kitchen cabinet & counter top mfg ...	—	38	7	554	13 891	422	836	9 277	26 099	29 191	55 197	8 709
33712	Household & institutional furniture mfg .....	—	27	5	835	24 020	653	1 326	17 730	63 016	50 527	112 438	1 583
337125	Household furniture (except wood & metal) mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	1	26	12	814	22 977	590	1 163	12 516	43 555	35 918	78 023	D
33721	Office furniture (including fixtures) mfg .....	1	26	12	814	22 977	590	1 163	12 516	43 555	35 918	78 023	D
337215	Showcase, partition, shelving, & locker mfg .....	1	15	6	461	12 990	339	636	7 164	21 923	20 541	42 055	645

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>INDIANAPOLIS, IN MSA—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
339	Miscellaneous mfg.....	1	179	39	3 287	86 117	2 307	4 254	51 118	246 510	164 601	418 792	6 911
3391	Medical equipment & supplies mfg.....	1	84	17	1 457	43 726	989	1 781	23 168	129 292	66 902	198 177	4 033
33911	Medical equipment & supplies mfg.....	1	84	17	1 457	43 726	989	1 781	23 168	129 292	66 902	198 177	4 033
339112	Surgical & medical instrument mfg.....	1	13	2	405	12 555	277	554	6 798	33 944	33 477	64 345	1 451
339113	Surgical appliance & supplies mfg.....	—	9	5	410	14 694	290	550	6 915	60 485	19 654	84 674	1 530
339116	Dental laboratories ...	5	50	4	395	9 666	268	432	5 846	20 019	7 120	27 768	580
3399	Other miscellaneous mfg ..	1	95	22	1 830	42 391	1 318	2 473	27 950	117 218	97 699	220 615	2 878
33991	Jewelry & silverware mfg.....	1	12	4	400	11 443	329	629	9 661	42 715	14 585	57 171	460
339911	Jewelry (except costume) mfg.....	1	6	4	e	D	D	D	D	D	D	D	448
33992	Sporting & athletic goods mfg.....	1	16	5	412	8 328	252	549	5 038	22 163	42 800	70 134	590
339920	Sporting & athletic goods mfg.....	1	16	5	412	8 328	252	549	5 038	22 163	42 800	70 134	590
33995	Sign mfg.....	3	45	5	407	10 131	238	430	4 655	19 878	14 065	33 919	917
339950	Sign mfg.....	3	45	5	407	10 131	238	430	4 655	19 878	14 065	33 919	917
33999	All other miscellaneous mfg.....	1	15	6	436	9 317	359	672	6 762	25 836	22 758	49 464	D
<b>KOKOMO, IN MSA</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>102</b>	<b>38</b>	<b>20 972</b>	<b>1 108 437</b>	<b>14 515</b>	<b>31 994</b>	<b>749 004</b>	<b>2 426 429</b>	<b>2 483 168</b>	<b>4 931 445</b>	<b>303 765</b>
311	Food mfg.....	7	7	2	261	5 134	183	339	2 931	17 469	34 814	52 014	1 025
326	Plastics & rubber products mfg.....	—	6	5	463	14 397	317	654	7 569	42 650	36 427	79 240	3 454
3261	Plastics product mfg.....	—	6	5	463	14 397	317	654	7 569	42 650	36 427	79 240	3 454
32619	Other plastics product mfg.....	—	6	5	463	14 397	317	654	7 569	42 650	36 427	79 240	3 454
326199	All other plastics product mfg.....	—	6	5	463	14 397	317	654	7 569	42 650	36 427	79 240	3 454
327	Nonmetallic mineral product mfg.....	—	7	3	306	9 989	255	532	7 627	29 268	11 194	39 454	1 662
331	Primary metal mfg.....	—	5	3	815	42 213	573	1 276	27 754	79 213	156 393	238 999	D
3314	Nonferrous metal (except aluminum) production & processing.....	—	2	1	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	—	2	1	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding.....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	1	16	6	289	8 388	222	359	4 909	14 955	8 523	23 637	500
333	Machinery mfg.....	2	11	6	479	18 295	379	810	13 181	52 288	24 014	74 566	14 450
336	Transportation equipment mfg.....	—	5	5	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	5	5	j	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg.....	—	4	4	j	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg.....	—	4	4	j	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping.....	—	1	1	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping.....	—	1	1	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	—	4	2	e	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg.....	—	2	1	e	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg.....	—	2	1	e	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet & counter top 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>LAFAYETTE, IN MSA</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>162</b>	<b>77</b>	<b>21 654</b>	<b>840 343</b>	<b>17 185</b>	<b>36 202</b>	<b>547 518</b>	<b>3 258 422</b>	<b>5 839 513</b>	<b>9 084 178</b>	<b>431 091</b>
311	Food mfg . . . . .	-	21	12	2 723	91 968	2 342	4 763	61 376	668 783	805 998	1 473 144	33 994
3112	Grain & oilseed milling . . . .	-	4	4	569	25 939	456	1 083	20 557	285 352	605 166	889 751	D
31122	Starch & vegetable fats & oils mfg . . . . .	-	4	4	569	25 939	456	1 083	20 557	285 352	605 166	889 751	D
311221	Wet corn milling . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg . . . . .	-	3	1	e	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate . . . . .	-	3	1	e	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate . . . . .	-	3	1	e	D	D	D	D	D	D	D	D
3119	Other food mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
31191	Snack food mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
311919	Other snack food mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
325	Chemical mfg . . . . .	-	10	6	1 576	82 012	1 011	2 134	52 347	465 104	372 890	843 140	D
3254	Pharmaceutical & medicine mfg . . . . .	-	3	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg . . . . .	-	3	2	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	-	9	6	683	17 285	551	1 045	10 501	39 674	23 311	62 798	3 218
3261	Plastics product mfg . . . . .	-	9	6	683	17 285	551	1 045	10 501	39 674	23 311	62 798	3 218
32619	Other plastics product mfg . . . . .	-	7	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg . . . . .	-	7	5	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	-	29	12	827	21 790	644	1 137	14 673	63 668	49 650	113 246	3 740
333	Machinery mfg . . . . .	-	13	6	3 165	135 490	2 296	4 819	88 165	734 909	741 698	1 492 966	32 974
3336	Engine, turbine, & power transmission equipment mfg . . . . .	-	2	2	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg . . . . .	-	2	2	h	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, & gear mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg . . . . .	-	1	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
334	Computer & electronic product mfg . . . . .	3	12	7	1 724	52 683	1 222	2 507	29 334	123 906	86 336	213 051	17 160
3344	Semiconductor & other electronic component mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
334413	Semiconductor & related device 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
<b>31-33</b>	<b>LAFAYETTE, IN MSA—Con.</b>													
	<b>Manufacturing—Con.</b>													
334	Computer & electronic product mfg—Con.													
3345	Navigational, measuring, medical, & control instruments mfg . . . . .	4	8	5	g	D	D	D	D	D	D	D	D	
33451	Navigational, measuring, medical, & control instruments mfg . . . . .	4	8	5	g	D	D	D	D	D	D	D	D	
334512	Automatic environmental control mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D	
334515	Electricity measuring & testing instrument mfg . . . . .	9	3	2	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg . . . . .	—	10	7		6 892	299 377	5 801	12 822	187 206	823 971	3 369 531	4 143 338	
3361	Motor vehicle mfg . . . . .	—	2	2	h	D	D	D	D	D	D	D	D	
33611	Automobile & light duty motor vehicle mfg . . . . .	—	2	2	h	D	D	D	D	D	D	D	D	
336111	Automobile mfg . . . . .	—	2	2	h	D	D	D	D	D	D	D	D	
3362	Motor vehicle body & trailer mfg . . . . .	—	1	1	h	D	D	D	D	D	D	D	D	
33621	Motor vehicle body & trailer mfg . . . . .	—	1	1	h	D	D	D	D	D	D	D	D	
336212	Truck trailer mfg . . . . .	—	1	1	h	D	D	D	D	D	D	D	D	
3363	Motor vehicle parts mfg . . . . .	—	5	3	f	D	D	D	D	D	D	D	D	
33633	Motor vehicle steering & suspension component (except spring) mfg . . . . .	—	2	1	e	D	D	D	D	D	D	D	D	
336330	Motor vehicle steering & suspension component (except spring) mfg . . . . .	—	2	1	e	D	D	D	D	D	D	D	D	
337	Furniture & related product mfg . . . . .	—	8	2	f	D	D	D	D	D	D	D	1 201	
3379	Other furniture related product mfg . . . . .	—	2	1	f	D	D	D	D	D	D	D	D	
33792	Blind & shade mfg . . . . .	—	2	1	f	D	D	D	D	D	D	D	D	
337920	Blind & shade mfg . . . . .	—	2	1	f	D	D	D	D	D	D	D	D	
339	Miscellaneous mfg . . . . .	—	7	4		1 045	27 227	912	1 767	21 037	84 544	43 097	127 308	
3399	Other miscellaneous mfg . . . . .	—	5	3	g	D	D	D	D	D	D	D	D	
33999	All other miscellaneous mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D	
339991	Gasket, packing, & sealing device mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D	
	<b>LOUISVILLE, KY—IN MSA</b>													
<b>31-33</b>	<b>Manufacturing . . . . .</b>	<b>—</b>	<b>1 333</b>	<b>540</b>		<b>80 938</b>	<b>2 882 136</b>	<b>63 011</b>	<b>129 224</b>	<b>2 034 239</b>	<b>17 272 778</b>	<b>16 876 617</b>	<b>34 196 572</b>	<b>812 075</b>
	Louisville, KY—IN MSA (IN Part) . . . . .	1	370	152		20 027	557 652	16 163	33 253	394 044	1 720 684	1 616 687	3 337 641	147 330
	Louisville, KY—IN MSA (KY Part) . . . . .	—	963	388		60 911	2 324 484	46 848	95 971	1 640 195	15 552 094	15 259 930	30 858 931	664 745
311	Food mfg . . . . .	—	80	38		7 226	196 701	5 768	11 938	134 540	926 087	1 077 848	1 994 916	58 141
3114	Fruit & vegetable preserving & specialty food mfg . . . . .	—	8	6		870	25 814	684	1 562	14 718	91 457	131 921	223 377	18 962
31142	Fruit & vegetable canning, pickling, & drying . . . . .	—	7	5	f	D	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning . . . . .	—	5	3	e	D	D	D	D	D	D	D	D	D
311422	Specialty canning . . . . .	—	1	1	e	D	D	D	D	D	D	D	D	D
3116	Meat product mfg . . . . .	—	10	7		2 229	56 384	1 868	4 145	41 419	136 008	404 728	534 099	4 831
31161	Animal slaughtering & processing . . . . .	—	10	7		2 229	56 384	1 868	4 145	41 419	136 008	404 728	534 099	4 831
311611	Animal (except poultry) slaughtering . . . . .	—	5	3	g	D	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses . . . . .	—	3	2	e	D	D	D	D	D	D	D	D	D
311615	Poultry processing . . . . .	—	1	1	f	D	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg . . . . .	1	36	11		2 498	67 525	1 951	3 842	48 718	437 410	240 209	674 167	23 054
31181	Bread & bakery product mfg . . . . .	1	30	5	f	D	D	D	D	D	D	D	D	D
311812	Commercial bakeries . . . . .	1	10	5		589	14 643	269	591	5 007	32 718	25 237	57 957	623
31182	Cookie, cracker, & pasta mfg . . . . .	1	6	6	g	D	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour . . . . .	1	3	3	f	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>LOUISVILLE, KY-IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
311	Food mfg—Con.												
3119	Other food mfg .....	—	13	9	1 273	36 223	1 019	1 846	23 078	203 143	165 288	368 096	8 144
31191	Snack food mfg .....	—	5	4	923	24 902	779	1 350	16 448	117 047	107 297	224 323	4 036
311919	Other snack food mfg ..	—	4	3	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg .....	—	11	8	3 504	164 363	2 500	5 015	110 312	3 281 830	837 815	4 123 812	21 534
3121	Beverage mfg .....	—	9	6	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg .....	2	5	2	e	D	D	D	D	D	D	D	D
31214	Distilleries .....	—	4	4	f	D	D	D	D	D	D	D	D
312140	Distilleries .....	—	4	4	f	D	D	D	D	D	D	D	D
3122	Tobacco mfg .....	—	2	2	h	D	D	D	D	D	D	D	D
31222	Tobacco product mfg .....	—	2	2	h	D	D	D	D	D	D	D	D
312221	Cigarette mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg .....	—	1	1	e	D	D	D	D	D	D	D	D
314	Textile product mills .....	—	19	8	f	D	D	D	D	D	D	D	D
3141	Textile furnishings mills .....	—	11	5	f	D	D	D	D	D	D	D	D
31412	Curtain & linen mills .....	—	11	5	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills .....	—	5	4	e	D	D	D	D	D	D	D	D
3149	Other textile product mills ..	—	8	3	337	7 854	261	400	4 779	19 070	13 014	31 349	D
31499	All other textile product mills .....	—	5	2	e	D	D	D	D	D	D	D	D
315	Apparel mfg .....	—	16	7	g	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg ....	—	4	3	f	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg .....	—	2	2	f	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
3159	Apparel accessories & other apparel mfg .....	1	12	4	316	5 598	234	418	2 801	12 584	3 828	15 397	D
31599	Apparel accessories & other apparel mfg .....	1	12	4	316	5 598	234	418	2 801	12 584	3 828	15 397	D
315991	Hat, cap, & millinery mfg .....	—	4	4	e	D	D	D	D	D	D	D	D
321	Wood product mfg .....	1	77	32	2 732	63 457	2 255	4 379	44 085	110 399	159 411	269 739	D
3212	Veneer, plywood, & engineered wood product mfg .....	—	21	14	1 107	25 002	898	1 823	16 279	45 679	59 325	104 028	D
32121	Veneer, plywood, & engineered wood product mfg .....	—	21	14	1 107	25 002	898	1 823	16 279	45 679	59 325	104 028	D
321211	Hardwood veneer & plywood mfg .....	—	13	10	840	18 213	691	1 382	12 039	32 670	43 223	74 948	D
3219	Other wood product mfg ....	1	48	18	1 555	36 533	1 300	2 449	26 510	60 598	85 735	147 274	D
32191	Millwork .....	1	19	9	f	D	D	D	D	D	D	D	D
321912	Cut stock, resawing lumber, & planing .....	1	8	5	520	11 478	441	908	8 416	17 604	26 784	45 939	D
32192	Wood container & pallet mfg .....	2	22	6	576	15 354	492	936	11 457	21 459	38 044	59 866	D
321920	Wood container & pallet mfg .....	2	22	6	576	15 354	492	936	11 457	21 459	38 044	59 866	D
322	Paper mfg .....	—	42	29	2 856	89 180	2 209	4 791	59 782	210 364	359 151	568 368	19 301
3222	Converted paper product mfg .....	—	42	29	2 856	89 180	2 209	4 791	59 782	210 364	359 151	568 368	19 301
32221	Paperboard container mfg .....	—	22	18	1 822	58 428	1 409	3 000	38 847	133 351	223 578	356 763	D
322211	Corrugated & solid fiber box mfg .....	—	14	12	1 271	39 348	957	1 894	24 287	91 490	148 890	239 582	9 813
32222	Paper bag & coated & treated paper mfg .....	—	6	4	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg ..	—	9	4	e	D	D	D	D	D	D	D	D
322232	Envelope mfg .....	—	4	2	e	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	—	176	48	6 839	200 949	5 284	11 077	139 861	439 170	281 880	718 533	59 550
3231	Printing & related support activities .....	—	176	48	6 839	200 949	5 284	11 077	139 861	439 170	281 880	718 533	59 550
32311	Printing .....	—	158	46	6 684	196 940	5 156	10 854	136 925	432 267	279 939	709 709	58 841
323110	Commercial lithographic printing ..	—	70	25	4 533	141 178	3 624	7 961	101 345	300 270	202 639	499 837	46 602
323112	Commercial flexographic printing ..	—	6	4	757	22 066	576	1 165	14 745	50 032	14 612	64 650	D
323114	Quick printing .....	2	42	2	270	6 258	179	307	3 988	13 042	6 880	19 892	652
323119	Other commercial printing .....	9	17	3	310	6 378	179	289	3 010	14 658	8 637	22 731	883



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>LOUISVILLE, KY-IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
325	Chemical mfg .....	1	83	41	5 877	278 558	3 762	8 214	164 282	1 202 820	1 475 318	2 683 848	110 568
3251	Basic chemical mfg .....	—	20	11	1 592	75 051	1 007	2 425	44 875	249 582	271 757	516 209	24 840
32518	Other basic inorganic chemical mfg .....	—	6	6	f	D	D	D	D	D	D	D	13 345
325188	All other basic inorganic chemical mfg .....	—	6	6	f	D	D	D	D	D	D	D	13 345
32519	Other basic organic chemical mfg .....	—	9	4	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg .....	—	8	3	369	19 150	247	527	11 765	90 115	140 191	226 101	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg .....	—	12	11	2 400	126 995	1 665	3 590	77 657	609 880	898 110	1 524 835	66 815
32521	Resin & synthetic rubber mfg .....	—	12	11	2 400	126 995	1 665	3 590	77 657	609 880	898 110	1 524 835	66 815
325211	Plastics material & resin mfg .....	—	9	8	1 448	77 463	952	2 120	41 984	399 052	692 287	1 092 468	54 806
325212	Synthetic rubber mfg ..	—	3	3	952	49 532	713	1 470	35 673	210 828	205 823	432 367	12 009
3255	Paint, coating, & adhesive mfg .....	1	23	12	834	31 443	360	676	10 440	178 786	115 996	296 885	3 746
32551	Paint & coating mfg .....	—	20	11	760	28 993	308	577	8 850	169 314	103 399	275 247	3 512
325510	Paint & coating mfg ..	—	20	11	760	28 993	308	577	8 850	169 314	103 399	275 247	3 512
3256	Soap, cleaning compound, & toilet preparation mfg ..	9	9	2	f	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg .....	9	7	2	f	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg .....	9	2	1	f	D	D	D	D	D	D	D	D
3259	Other chemical product mfg .....	2	13	4	e	D	D	D	D	D	D	D	6 410
326	Plastics & rubber products mfg .....	3	67	39	5 598	138 052	4 637	9 592	97 717	302 780	305 030	605 452	26 607
3261	Plastics product mfg .....	3	55	35	5 101	125 425	4 214	8 790	87 629	274 232	282 379	555 061	22 016
32611	Unsupported plastics film, sheet, & bag mfg ..	—	7	7	505	14 057	412	817	9 932	45 732	39 372	84 837	2 349
326113	Unsupported plastics film & sheet (except packaging) mfg .....	—	4	4	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	3	36	20	4 059	101 506	3 362	7 226	71 287	192 497	204 484	396 897	15 935
326199	All other plastics product mfg .....	4	31	18	3 868	96 848	3 206	6 967	67 818	187 499	200 429	387 844	15 783
3262	Rubber product mfg .....	2	12	4	497	12 627	423	802	10 088	28 548	22 651	50 391	4 591
32629	Other rubber product mfg .....	2	9	4	e	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use .....	—	3	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	—	62	28	2 214	63 838	1 609	3 122	40 009	246 949	162 199	412 675	36 253
3271	Clay product & refractory mfg .....	—	10	6	597	14 794	448	865	9 825	37 481	30 292	68 696	D
32712	Clay building material & refractories mfg .....	—	3	2	e	D	D	D	D	D	D	D	D
327125	Nonclay refractory mfg .....	—	1	1	e	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg ..	—	12	3	271	7 826	218	327	3 869	21 330	18 063	39 300	D
32721	Glass & glass product mfg .....	—	12	3	271	7 826	218	327	3 869	21 330	18 063	39 300	D
3273	Cement & concrete product mfg .....	—	30	14	1 053	34 142	741	1 580	22 926	167 966	93 153	264 383	D
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	18	8	533	15 193	356	748	9 287	50 414	43 225	93 923	4 825
327320	Ready-mix concrete mfg .....	1	18	8	533	15 193	356	748	9 287	50 414	43 225	93 923	4 825
3279	Other nonmetallic mineral product mfg .....	—	7	4	e	D	D	D	D	D	D	D	4 171
32799	All other nonmetallic mineral product mfg ...	—	6	4	e	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	—	18	10	1 437	45 433	1 183	2 566	30 258	104 778	231 358	333 288	14 863
3313	Alumina & aluminum production & processing ..	—	7	6	1 037	33 018	886	1 945	23 100	70 797	130 015	199 844	8 885
33131	Alumina & aluminum production & processing .....	—	7	6	1 037	33 018	886	1 945	23 100	70 797	130 015	199 844	8 885
331316	Aluminum extruded product mfg .....	—	3	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>LOUISVILLE, KY-IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg . . . . .	-	247	94	8 627	270 262	6 393	12 751	175 436	705 678	737 709	1 435 250	60 505
3321	Forging & stamping . . . . .	-	13	11	1 161	31 579	980	2 040	22 622	67 062	103 868	170 874	6 056
33211	Forging & stamping . . . . .	-	13	11	1 161	31 579	980	2 040	22 622	67 062	103 868	170 874	6 056
332116	Metal stamping . . . . .	-	9	8	876	20 766	752	1 550	15 979	37 913	67 949	105 853	2 918
3323	Architectural & structural metals mfg . . . . .	1	67	24	1 243	38 964	850	1 603	22 130	94 728	85 117	177 206	6 836
33231	Plate work & fabricated structural product mfg . . . . .	1	30	11	611	19 693	393	812	10 253	45 661	48 449	95 490	1 398
332312	Fabricated structural metal mfg . . . . .	1	23	10	f	D	D	D	D	D	D	D	1 238
33232	Ornamental & architectural metal products mfg . . . . .	2	37	13	632	19 271	457	791	11 877	49 067	36 668	81 716	5 438
332322	Sheet metal work mfg . . . . .	1	25	13	543	17 316	392	678	10 607	46 237	33 003	75 216	D
3324	Boiler, tank, & shipping container mfg . . . . .	-	10	6	1 734	56 956	1 150	2 314	33 125	137 157	117 994	255 286	6 451
33241	Power boiler & heat exchanger mfg . . . . .	-	4	2	g	D	D	D	D	D	D	D	D
332410	Power boiler & heat exchanger mfg . . . . .	-	4	2	g	D	D	D	D	D	D	D	D
33242	Metal tank (heavy gauge) mfg . . . . .	-	4	3	286	10 327	126	282	3 304	32 767	31 871	64 651	D
332420	Metal tank (heavy gauge) mfg . . . . .	-	4	3	286	10 327	126	282	3 304	32 767	31 871	64 651	D
3325	Hardware mfg . . . . .	-	7	4	369	10 390	276	531	5 936	30 112	41 486	72 290	D
33251	Hardware mfg . . . . .	-	7	4	369	10 390	276	531	5 936	30 112	41 486	72 290	D
332510	Hardware mfg . . . . .	-	7	4	369	10 390	276	531	5 936	30 112	41 486	72 290	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	1	90	24	1 691	52 625	1 308	2 637	35 364	94 212	46 430	140 796	9 426
33271	Machine shops . . . . .	1	85	20	1 367	42 212	1 048	2 062	28 016	72 489	35 834	108 422	7 263
332710	Machine shops . . . . .	1	85	20	1 367	42 212	1 048	2 062	28 016	72 489	35 834	108 422	7 263
33272	Turned product & screw, nut, & bolt mfg . . . . .	-	5	4	324	10 413	260	575	7 348	21 723	10 596	32 374	2 163
332721	Precision turned product mfg . . . . .	-	3	3	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities . . . . .	3	19	8	e	D	D	D	D	D	D	D	9 324
33281	Coating, engraving, heat treating, & allied activities . . . . .	3	19	8	e	D	D	D	D	D	D	D	9 324
332812	Metal coating/engraving (exc jewelry/silverware)/allied services . . . . .	5	11	5	e	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg . . . . .	-	28	10	1 591	55 869	1 192	2 408	41 193	216 390	309 732	519 888	18 195
33291	Metal valve mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
332911	Industrial valve mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg . . . . .	-	26	9	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg . . . . .	-	18	7	1 074	35 961	802	1 734	26 965	169 106	282 463	446 655	16 145
333	Machinery mfg . . . . .	1	133	58	6 796	237 919	4 299	8 965	121 584	514 720	521 019	1 031 757	23 443
3331	Agriculture, construction, & mining machinery mfg . . . . .	1	8	3	e	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg . . . . .	-	5	3	e	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg . . . . .	-	21	8	872	35 374	508	1 062	17 012	76 353	56 038	134 183	2 412
33329	Other industrial machinery mfg . . . . .	-	17	8	f	D	D	D	D	D	D	D	D
333293	Printing machinery & equipment mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
333294	Food product machinery mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg . . . . .	1	7	4	793	22 391	569	1 074	13 191	33 732	38 259	73 183	2 021
33331	Commercial & service industry machinery mfg . . . . .	1	7	4	793	22 391	569	1 074	13 191	33 732	38 259	73 183	2 021
333312	Commercial laundry, drycleaning, & pressing machine mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg . . . . .	2	5	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>LOUISVILLE, KY-IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
333	Machinery mfg—Con.												
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	1	17	11	1 799	52 121	1 332	2 913	30 246	141 331	135 391	275 952	5 515
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	1	17	11	1 799	52 121	1 332	2 913	30 246	141 331	135 391	275 952	5 515
333411	Air purification equipment mfg .....	1	10	6	1 034	29 376	750	1 617	16 152	69 956	70 669	139 699	3 122
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	—	6	4	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	2	34	9	517	19 942	393	827	13 295	30 383	20 033	50 744	2 478
33351	Metalworking machinery mfg .....	2	34	9	517	19 942	393	827	13 295	30 383	20 033	50 744	2 478
333514	Special die & tool, die set, jig, & fixture mfg .	3	17	3	261	10 081	213	449	7 524	15 178	9 128	24 083	1 001
3339	Other general-purpose machinery mfg .....	1	44	22	2 523	99 824	1 312	2 679	43 569	219 381	246 655	459 208	9 810
33392	Material handling equipment mfg .....	—	19	13	1 380	56 822	678	1 485	24 174	119 759	166 602	280 705	D
333922	Conveyor & conveying equipment mfg .....	—	15	10	1 234	51 992	565	1 251	21 526	104 096	148 328	246 527	3 862
33399	All other general-purpose machinery mfg .....	4	23	8	f	D	D	D	D	D	D	D	4 392
333993	Packaging machinery mfg .....	7	4	2	e	D	D	D	D	D	D	D	D
333999	All other miscellaneous general-purpose machinery mfg .....	—	17	5	420	16 403	229	406	7 626	34 216	30 191	62 995	D
334	Computer & electronic product mfg .....	1	26	11	g	D	D	D	D	D	D	D	17 403
3344	Semiconductor & other electronic component mfg .....	2	12	5	f	D	D	D	D	D	D	D	11 613
33441	Semiconductor & other electronic component mfg .....	2	12	5	f	D	D	D	D	D	D	D	11 613
334417	Electronic connector mfg .....	—	3	3	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	—	26	14	i	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	—	8	7	i	D	D	D	D	D	D	D	D
33522	Major appliance mfg ....	—	7	6	i	D	D	D	D	D	D	D	D
335221	Household cooking appliance mfg .....	—	3	2	g	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	—	1	1	g	D	D	D	D	D	D	D	D
335224	Household laundry equipment mfg .....	—	2	2	g	D	D	D	D	D	D	D	D
335228	Other major household appliance mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	—	10	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	—	10	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	—	50	24	j	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg .....	—	3	2	i	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg .....	—	3	2	i	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg .....	—	3	2	i	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg .....	—	6	4	644	22 053	568	1 490	17 588	57 420	89 886	147 764	D
33621	Motor vehicle body & trailer mfg .....	—	6	4	644	22 053	568	1 490	17 588	57 420	89 886	147 764	D
336211	Motor vehicle body mfg .....	—	3	3	e	D	D	D	D	D	D	D	D
336212	Truck trailer mfg .....	—	1	1	e	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	28	12	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg .....	1	6	1	e	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg .....	1	6	1	e	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg .....	—	1	1	e	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>LOUISVILLE, KY-IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33636	Motor vehicle seating & interior trim mfg . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg . . .	—	3	2	e	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg . . . . .	1	9	5		842	18 690	735	1 307	15 112	84 068	95 641	180 768
336399	All other motor vehicle parts mfg . . . . .	1	9	5		842	18 690	735	1 307	15 112	84 068	95 641	180 768
3366	Ship & boat building . . . . .	—	6	3	g	D	D	D	D	D	D	D	D
33661	Ship & boat building . . . . .	—	6	3	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing . . . . .	—	4	3	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg . . . . .	—	81	24		2 910	81 691	2 449	5 119	61 094	177 166	149 578	326 339
3371	Household & institutional furniture & kitchen cabinet mfg . . . . .	—	53	14		1 653	46 226	1 420	3 064	36 001	96 808	92 476	188 876
33711	Wood kitchen cabinet & counter top mfg . . . . .	—	35	10		1 019	28 628	857	1 808	22 583	61 707	76 410	137 863
337110	Wood kitchen cabinet & counter top mfg . . .	—	35	10		1 019	28 628	857	1 808	22 583	61 707	76 410	137 863
33712	Household & institutional furniture mfg . . . . .	—	18	4		634	17 598	563	1 256	13 418	35 101	16 066	51 013
337122	Nonupholstered wood household furniture mfg . . . . .	—	10	3	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg . . . . .	—	20	8		1 132	31 656	938	1 879	22 833	69 089	45 346	114 269
33721	Office furniture (including fixtures) mfg . . . . .	—	20	8		1 132	31 656	938	1 879	22 833	69 089	45 346	114 269
337211	Wood office furniture mfg . . . . .	—	5	3		881	25 960	737	1 556	19 038	52 872	34 283	86 995
339	Miscellaneous mfg . . . . .	1	102	22		1 639	46 615	1 149	2 107	26 537	108 031	56 666	164 613
3391	Medical equipment & supplies mfg . . . . .	1	41	8		565	17 000	401	732	9 219	39 298	19 538	59 908
33911	Medical equipment & supplies mfg . . . . .	1	41	8		565	17 000	401	732	9 219	39 298	19 538	59 908
3399	Other miscellaneous mfg . . . . .	1	61	14		1 074	29 615	748	1 375	17 318	68 733	37 128	104 705
33999	All other miscellaneous mfg . . . . .	—	18	8		706	20 586	495	925	12 532	48 968	24 629	72 773
339991	Gasket, packing, & sealing device mfg . . . . .	—	3	3		388	14 110	271	586	9 189	28 917	14 095	42 586
339999	All other miscellaneous mfg . . . . .	1	10	4	e	D	D	D	D	D	D	D	D
	<b>MUNCIE, IN MSA</b>												
<b>31-33</b>	<b>Manufacturing . . . . .</b>	—	<b>176</b>	<b>77</b>		<b>9 972</b>	<b>402 577</b>	<b>7 525</b>	<b>15 244</b>	<b>264 102</b>	<b>882 850</b>	<b>879 486</b>	<b>1 764 475</b>
322	Paper mfg . . . . .	—	6	5		450	14 658	377	786	11 692	46 911	57 401	103 198
3222	Converted paper product mfg . . . . .	—	5	4	e	D	D	D	D	D	D	D	D
32221	Paperboard container mfg . . . . .	—	4	3	e	D	D	D	D	D	D	D	D
323	Printing & related support activities . . . . .	—	20	8		530	13 602	416	766	8 558	34 334	14 476	48 303
3231	Printing & related support activities . . . . .	—	20	8		530	13 602	416	766	8 558	34 334	14 476	48 303
32311	Printing . . . . .	—	19	8	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing . . . . .	—	10	5		389	10 550	330	657	7 143	28 051	10 258	37 726
326	Plastics & rubber products mfg . . . . .	—	7	4		255	6 594	190	358	3 999	20 869	41 585	62 183
3261	Plastics product mfg . . . . .	—	6	4	e	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	—	8	7		587	19 023	461	1 109	13 367	77 310	58 486	137 025
3312	Steel product mfg from purchased steel . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing . . . . .	—	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MUNCIE, IN MSA—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg . . . . .	-	57	25	1 909	53 544	1 504	2 789	35 056	149 918	86 947	233 696	9 452
3321	Forging & stamping . . . . .	-	7	5	477	12 568	352	575	8 728	50 370	28 574	76 487	3 183
33211	Forging & stamping . . . . .	-	7	5	477	12 568	352	575	8 728	50 370	28 574	76 487	3 183
332116	Metal stamping . . . . .	1	3	2	e	D	D	D	D	D	D	D	814
3326	Spring & wire product mfg . . . . .	-	10	5	370	7 949	324	635	6 070	34 587	26 911	60 983	965
33261	Spring & wire product mfg . . . . .	-	10	5	370	7 949	324	635	6 070	34 587	26 911	60 983	965
332618	Other fabricated wire product mfg . . . . .	-	8	5	e	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	-	17	5	e	D	D	D	D	D	D	D	D
33271	Machine shops . . . . .	-	15	4	345	10 514	279	408	6 105	20 777	7 612	28 642	2 157
332710	Machine shops . . . . .	-	15	4	345	10 514	279	408	6 105	20 777	7 612	28 642	2 157
3328	Coating, engraving, heat treating, & allied activities . . . . .	3	13	7	330	9 438	267	524	5 757	18 125	5 885	23 899	1 244
33281	Coating, engraving, heat treating, & allied activities . . . . .	3	13	7	330	9 438	267	524	5 757	18 125	5 885	23 899	1 244
333	Machinery mfg . . . . .	-	32	11	1 008	44 491	656	1 452	24 780	99 364	40 570	142 487	10 893
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg . . . . .	1	20	6	447	23 066	352	825	15 347	40 640	10 867	54 171	7 968
33351	Metalworking machinery mfg . . . . .	1	20	6	447	23 066	352	825	15 347	40 640	10 867	54 171	7 968
333511	Industrial mold mfg . . . . .	-	6	3	306	17 895	241	599	11 533	29 908	7 863	40 390	7 260
335	Electrical equipment, appliance, & component mfg . . . . .	-	3	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg . . . . .	-	2	1	e	D	D	D	D	D	D	D	D
335311	Power, distribution, & specialty transformer mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
33591	Battery mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
335911	Storage battery mfg . . . . .	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	11	7	3 961	196 584	2 947	6 222	126 212	333 357	474 764	812 511	33 159
3363	Motor vehicle parts mfg . . . . .	-	10	7	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	-	3	3	h	D	D	D	D	D	D	D	26 713
336350	Motor vehicle transmission & power train parts mfg . . . . .	-	3	3	h	D	D	D	D	D	D	D	26 713
33637	Motor vehicle metal stamping . . . . .	-	5	3	481	17 397	407	939	11 517	41 899	29 619	72 852	D
336370	Motor vehicle metal stamping . . . . .	-	5	3	481	17 397	407	939	11 517	41 899	29 619	72 852	D
<b>SOUTH BEND, IN MSA</b>													
<b>31-33</b>	<b>Manufacturing . . . . .</b>	-	<b>457</b>	<b>179</b>	<b>20 435</b>	<b>698 851</b>	<b>14 401</b>	<b>28 757</b>	<b>410 912</b>	<b>1 998 879</b>	<b>2 139 281</b>	<b>4 149 716</b>	<b>146 884</b>
311	Food mfg . . . . .	-	22	9	654	16 144	450	902	10 641	50 654	100 310	150 147	2 368
3116	Meat product mfg . . . . .	-	4	3	258	5 956	190	454	3 914	15 876	59 450	74 457	679
31161	Animal slaughtering & processing . . . . .	-	4	3	258	5 956	190	454	3 914	15 876	59 450	74 457	679
316	Leather & allied product mfg . . . . .	2	4	3	256	5 148	160	272	2 085	10 623	13 200	23 889	D
3169	Other leather & allied product mfg . . . . .	2	4	3	256	5 148	160	272	2 085	10 623	13 200	23 889	D
31699	Other leather & allied product mfg . . . . .	2	4	3	256	5 148	160	272	2 085	10 623	13 200	23 889	D
321	Wood product mfg . . . . .	-	9	3	338	7 499	258	467	5 410	27 910	83 543	109 518	857
3219	Other wood product mfg . . . . .	-	8	2	e	D	D	D	D	D	D	D	D
32191	Millwork . . . . .	-	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>SOUTH BEND, IN MSA—Con.</b>												
	<b>Manufacturing—Con.</b>												
322	Paper mfg .....	3	9	6	527	16 313	401	745	10 501	39 565	71 163	110 967	2 064
3222	Converted paper product mfg .....	3	9	6	527	16 313	401	745	10 501	39 565	71 163	110 967	2 064
32221	Paperboard container mfg .....	3	6	6	507	15 738	384	711	10 068	38 560	69 817	108 468	D
322211	Corrugated & solid fiber box mfg .....	3	4	4	e	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	1	39	10	633	20 634	439	872	12 719	39 599	22 795	61 626	2 172
3231	Printing & related support activities .....	1	39	10	633	20 634	439	872	12 719	39 599	22 795	61 626	2 172
32311	Printing .....	1	36	10	611	20 070	425	842	12 294	38 740	22 316	60 280	2 114
323110	Commercial lithographic printing ..	1	16	6	366	15 063	269	553	9 210	28 929	15 383	43 514	1 549
325	Chemical mfg .....	—	14	6	400	17 120	212	496	8 265	50 589	151 701	203 508	13 127
326	Plastics & rubber products mfg .....	—	45	27	3 138	82 437	2 557	5 280	54 442	202 304	199 423	401 822	21 136
3261	Plastics product mfg .....	—	37	25	2 803	74 515	2 258	4 667	47 943	182 561	187 129	370 182	19 522
32619	Other plastics product mfg .....	—	32	23	2 745	72 853	2 211	4 590	47 128	179 417	183 242	362 801	19 245
326199	All other plastics product mfg .....	—	31	22	h	D	D	D	D	D	D	D	D
3262	Rubber product mfg .....	—	8	2	335	7 922	299	613	6 499	19 743	12 294	31 640	1 614
32621	Tire mfg .....	—	4	1	e	D	D	D	D	D	D	D	D
326211	Tire mfg (except retreading) .....	—	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	—	12	5	306	13 078	215	465	8 064	44 960	30 729	76 351	D
331	Primary metal mfg .....	—	11	8	1 731	53 649	1 445	2 988	39 747	118 795	162 417	276 637	4 722
3312	Steel product mfg from purchased steel .....	—	2	2	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
3313	Alumina & aluminum production & processing ..	—	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
33131	Alumina & aluminum production & processing .....	—	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
331316	Aluminum extruded product mfg .....	—	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
3315	Foundries .....	—	5	3	887	28 886	737	1 503	22 076	60 382	42 535	102 426	2 464
33151	Ferrous metal foundries ..	—	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	—	114	50	4 219	153 437	3 185	6 607	102 867	545 751	678 862	1 216 788	28 541
3323	Architectural & structural metals mfg .....	2	22	11	508	14 756	370	728	9 140	28 382	22 631	50 786	1 258
33232	Ornamental & architectural metal products mfg .....	3	14	6	320	9 422	230	465	5 644	17 714	15 022	32 537	891
3325	Hardware mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
33251	Hardware mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
332510	Hardware mfg .....	—	2	2	e	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	1	51	14	915	29 375	725	1 408	20 616	51 422	19 587	70 666	4 321
33271	Machine shops .....	1	40	10	619	19 959	468	903	13 455	34 002	13 532	47 165	3 453
332710	Machine shops .....	1	40	10	619	19 959	468	903	13 455	34 002	13 532	47 165	3 453
33272	Turned product & screw, nut, & bolt mfg .....	1	11	4	296	9 416	257	505	7 161	17 420	6 055	23 501	868
332721	Precision turned product mfg .....	—	10	4	e	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities ..	—	12	9	1 264	64 544	857	1 930	42 218	352 840	551 505	897 985	16 120
33281	Coating, engraving, heat treating, & allied activities .....	—	12	9	1 264	64 544	857	1 930	42 218	352 840	551 505	897 985	16 120
332811	Metal heat treating .....	—	5	3	f	D	D	D	D	D	D	D	D
332812	Metal coating/engraving (exc jewelry/silverware)/allied services .....	—	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>SOUTH BEND, IN MSA—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3329	Other fabricated metal product mfg.....	2	14	6	665	20 213	531	1 111	14 246	36 802	30 764	67 721	1 854
33299	All other fabricated metal product mfg.....	—	10	3	428	12 626	370	779	9 693	21 792	13 531	35 161	866
332996	Fabricated pipe & pipe fitting mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
333	Machinery mfg.....	1	59	16	1 378	55 942	862	1 804	30 429	95 608	59 396	159 025	5 834
3335	Metalworking machinery mfg.....	1	39	9	802	35 789	559	1 207	22 294	60 284	27 989	95 190	3 619
33351	Metalworking machinery mfg.....	1	39	9	802	35 789	559	1 207	22 294	60 284	27 989	95 190	3 619
333514	Special die & tool, die set, jig, & fixture mfg.	—	21	5	489	22 242	332	734	12 725	38 421	18 208	62 064	2 635
334	Computer & electronic product mfg.....	5	12	7	916	19 806	541	1 130	8 079	43 692	25 964	70 882	D
3344	Semiconductor & other electronic component mfg.....	9	4	3	655	9 875	449	955	4 965	18 070	15 698	34 858	D
33441	Semiconductor & other electronic component mfg.....	9	4	3	655	9 875	449	955	4 965	18 070	15 698	34 858	D
334419	Other electronic component mfg.....	9	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	—	13	6	855	29 400	623	1 097	17 642	83 768	74 055	154 389	4 163
3359	Other electrical equipment & component mfg.....	—	9	4	712	25 528	530	917	15 837	72 973	60 515	129 935	3 568
33593	Wiring device mfg.....	—	2	1	e	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg.....	—	7	3	e	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg.....	—	7	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	—	27	15	3 943	168 530	2 348	4 311	82 757	540 796	406 921	970 330	34 606
3361	Motor vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg....	1	14	7	1 203	31 442	897	1 852	20 612	84 233	57 493	140 272	D
33631	Motor vehicle gasoline engine & engine parts mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, & valve mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg.....	5	7	4	430	7 924	360	637	5 442	13 666	10 478	24 605	578
336322	Other motor vehicle electrical & electronic equipment mfg.....	5	7	4	430	7 924	360	637	5 442	13 666	10 478	24 605	578
3364	Aerospace product & parts mfg.....	—	5	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	—	5	3	g	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg....	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg.....	—	4	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	8	37	4	806	32 611	424	815	12 457	86 933	37 191	124 734	8 063
3391	Medical equipment & supplies mfg.....	9	19	2	595	25 968	293	574	9 572	71 860	30 682	102 803	D
33911	Medical equipment & supplies mfg.....	9	19	2	595	25 968	293	574	9 572	71 860	30 682	102 803	D
339112	Surgical & medical instrument mfg.....	9	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>TERRE HAUTE, IN MSA</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>181</b>	<b>72</b>	<b>10 684</b>	<b>377 272</b>	<b>8 126</b>	<b>16 066</b>	<b>254 024</b>	<b>1 479 721</b>	<b>1 437 640</b>	<b>2 922 413</b>	<b>144 254</b>
322	Paper mfg . . . . .	-	7	6	778	29 948	577	1 314	21 163	87 300	137 650	225 789	6 767
3221	Pulp, paper, & paperboard mills . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
32213	Paperboard mills . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
322130	Paperboard mills . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
3222	Converted paper product mfg . . . . .	-	5	4	e	D	D	D	D	D	D	D	D
32221	Paperboard container mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
323	Printing & related support activities . . . . .	1	21	9	569	14 535	384	772	9 060	22 513	35 070	56 758	3 735
3231	Printing & related support activities . . . . .	1	21	9	569	14 535	384	772	9 060	22 513	35 070	56 758	3 735
32311	Printing . . . . .	2	19	7	e	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing . . . . .	3	6	4	282	6 843	193	409	4 480	6 836	21 385	27 504	D
325	Chemical mfg . . . . .	-	16	9	2 099	103 520	1 571	3 244	76 123	706 870	511 593	1 229 768	34 894
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
32521	Resin & synthetic rubber mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg . . . . .	-	5	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg . . . . .	-	5	3	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	-	9	7	1 826	63 663	1 449	2 944	47 213	213 918	183 365	403 584	60 360
3261	Plastics product mfg . . . . .	-	7	7	g	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg . . . . .	-	4	4	1 522	55 973	1 215	2 573	41 309	198 755	168 733	373 612	D
326111	Unsupported plastics bag mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	6	5	484	19 170	382	789	12 451	67 053	185 897	251 831	D
332	Fabricated metal product mfg . . . . .	1	30	9	1 074	26 652	670	1 249	13 989	57 690	74 735	128 814	4 871
3329	Other fabricated metal product mfg . . . . .	-	3	2	e	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	1	20	8	487	13 110	356	683	7 919	25 716	13 520	37 665	1 754
334	Computer & electronic product mfg . . . . .	-	3	1	g	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
334613	Magnetic & optical recording media mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	8	4	g	D	D	D	D	D	D	D	6 211
3362	Motor vehicle body & trailer mfg . . . . .	-	3	1	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg . . . . .	-	3	1	g	D	D	D	D	D	D	D	D
336212	Truck trailer mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg . . . . .	-	2	2	e	D	D	D	D	D	D	D	D

<sup>1</sup>Some 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.

<sup>2</sup>Industries 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>ADAMS COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>67</b>	<b>37</b>	<b>6 536</b>	<b>189 603</b>	<b>5 323</b>	<b>11 455</b>	<b>133 744</b>	<b>485 380</b>	<b>950 642</b>	<b>1 428 942</b>	<b>31 724</b>
321	Wood product mfg . . . . .	-	8	3	565	15 363	473	923	10 353	28 134	37 078	66 079	763
3219	Other wood product mfg . . .	-	7	3	f	D	D	D	D	D	D	D	D
32199	All other wood product mfg . . . . .	-	4	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	-	4	4	1 081	27 931	906	1 723	20 229	59 332	69 671	129 183	2 342
3261	Plastics product mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	-	1	1	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
336	Transportation equipment mfg . . . . .	-	6	6	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg . . . . .	-	4	4	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg . . . . .	-	4	4	g	D	D	D	D	D	D	D	D
336213	Motor home mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
<b>ALLEN COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>576</b>	<b>223</b>	<b>36 585</b>	<b>1 362 019</b>	<b>26 869</b>	<b>54 967</b>	<b>891 281</b>	<b>3 762 082</b>	<b>5 410 554</b>	<b>9 182 170</b>	<b>231 086</b>
311	Food mfg . . . . .	1	24	9	1 495	46 957	863	1 830	20 649	124 307	190 974	314 301	16 478
3118	Bakeries & tortilla mfg . . . . .	-	8	3	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg . . . . .	-	7	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
322	Paper mfg . . . . .	-	13	8	858	29 772	639	1 367	21 561	110 898	160 258	272 283	3 704
3222	Converted paper product mfg . . . . .	-	13	8	858	29 772	639	1 367	21 561	110 898	160 258	272 283	3 704
32221	Paperboard container mfg . . . . .	2	9	6	f	D	D	D	D	D	D	D	D
323	Printing & related support activities . . . . .	3	59	15	942	28 369	696	1 189	17 644	57 148	38 105	96 947	3 832
3231	Printing & related support activities . . . . .	3	59	15	942	28 369	696	1 189	17 644	57 148	38 105	96 947	3 832
32311	Printing . . . . .	3	48	10	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	2	33	25	4 862	150 894	3 951	7 549	107 797	306 422	305 675	630 626	38 448
3261	Plastics product mfg . . . . .	4	24	20	2 927	83 107	2 278	4 709	53 688	207 121	181 504	391 967	26 919
32619	Other plastics product mfg . . . . .	3	17	14	1 902	52 479	1 506	3 181	36 437	129 300	105 239	234 865	14 755
326199	All other plastics product mfg . . . . .	3	17	14	1 902	52 479	1 506	3 181	36 437	129 300	105 239	234 865	14 755
3262	Rubber product mfg . . . . .	-	9	5	1 935	67 787	1 673	2 840	54 109	99 301	124 171	238 659	11 529
32621	Tire mfg . . . . .	-	3	2	g	D	D	D	D	D	D	D	D
326211	Tire mfg (except retreading) . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
32629	Other rubber product mfg . . . . .	-	6	3	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	20	13	2 520	107 987	2 019	4 387	82 017	231 975	403 163	635 719	24 015
3311	Iron & steel mills & ferroalloy mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	-	8	6	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . . . .	-	7	5	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	-	6	4	f	D	D	D	D	D	D	D	7 524
3315	Foundries . . . . .	-	6	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . . . .	-	5	4	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) . . . . .	-	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ALLEN COUNTY, IN— Con. Manufacturing— Con.</b>												
332	Fabricated metal product mfg .....	-	111	32	2 661	79 979	2 066	4 095	50 733	169 169	113 553	280 050	13 612
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	1	49	8	678	18 758	552	1 010	12 310	33 336	24 026	57 124	3 560
3328	Coating, engraving, heat treating, & allied activities .....	-	22	8	554	14 653	425	803	9 337	36 832	10 324	46 517	4 443
33281	Coating, engraving, heat treating, & allied activities .....	-	22	8	554	14 653	425	803	9 337	36 832	10 324	46 517	4 443
333	Machinery mfg .....	-	96	46	5 223	170 572	3 665	6 779	98 056	355 603	284 472	637 606	31 917
3331	Agriculture, construction, & mining machinery mfg .....	1	8	6	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	5	4	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	5	4	f	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	-	48	21	1 559	56 861	1 133	2 432	40 718	102 472	55 102	155 412	9 097
33351	Metalworking machinery mfg .....	-	48	21	1 559	56 861	1 133	2 432	40 718	102 472	55 102	155 412	9 097
333514	Special die & tool, die set, jig, & fixture mfg .....	-	32	10	936	31 370	675	1 453	22 868	62 832	30 410	93 287	6 955
3339	Other general-purpose machinery mfg .....	-	18	11	g	D	D	D	D	D	D	D	D
33391	Pump & compressor mfg .....	-	4	3	1 244	40 495	817	949	13 769	61 051	88 469	151 308	D
333913	Measuring & dispensing pump mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	20	7	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 .....	-	3	2	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg .....	-	3	2	h	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	12	9	g	D	D	D	D	D	D	D	1 878
3353	Electrical equipment mfg .....	-	7	6	g	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	-	7	6	g	D	D	D	D	D	D	D	D
335312	Motor & generator mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	37	21	8 153	387 010	6 662	14 926	308 263	1 478 068	3 187 711	4 664 095	D
3361	Motor vehicle mfg .....	-	3	3	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg .....	-	26	12	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	2	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, & valve mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	8	5	g	D	D	D	D	D	D	D	875
336350	Motor vehicle transmission & power train parts mfg .....	-	8	5	g	D	D	D	D	D	D	D	875
3364	Aerospace product & parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg .....	-	2	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ALLEN COUNTY, IN— Con. Manufacturing— Con.</b>												
337	Furniture & related product mfg	-	26	11	f	D	D	D	D	D	D	D	1 646
3371	Household & institutional furniture & kitchen cabinet mfg	-	18	6	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	46	8	1 262	30 817	873	1 443	16 881	170 973	110 273	283 279	D
3399	Other miscellaneous mfg	-	30	7	g	D	D	D	D	D	D	D	D
33993	Doll, toy, & game mfg	-	2	1	f	D	D	D	D	D	D	D	D
339932	Game, toy, & children's vehicle mfg	-	2	1	f	D	D	D	D	D	D	D	D
	<b>BARTHOLOMEW COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing</b>	-	<b>145</b>	<b>68</b>	<b>13 311</b>	<b>412 096</b>	<b>10 184</b>	<b>21 144</b>	<b>282 536</b>	<b>1 321 947</b>	<b>1 767 586</b>	<b>3 096 712</b>	<b>123 301</b>
311	Food mfg	-	4	4	1 281	36 177	454	1 021	11 514	107 744	75 736	183 598	3 145
3118	Bakeries & tortilla mfg	-	1	1	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	1	1	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	11	7	757	17 965	654	1 240	13 443	39 210	35 283	74 861	4 624
3261	Plastics product mfg	-	11	7	757	17 965	654	1 240	13 443	39 210	35 283	74 861	4 624
32619	Other plastics product mfg	-	9	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	9	7	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	4	3	752	27 296	646	1 483	23 085	56 343	43 911	99 495	3 626
3315	Foundries	-	3	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries	-	3	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	33	16	1 059	33 097	817	1 761	21 678	74 603	47 529	122 376	20 010
333	Machinery mfg	-	31	11	3 596	145 971	2 855	6 169	109 949	615 314	1 060 747	1 688 447	32 864
3336	Engine, turbine, & power transmission equipment mfg	-	8	6	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	8	6	h	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	-	3	3	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	6	4	680	18 689	488	1 005	10 430	37 358	66 134	103 811	D
336	Transportation equipment mfg	1	13	10	3 022	81 486	2 538	5 041	59 603	221 532	264 411	484 048	40 219
3363	Motor vehicle parts mfg	1	12	10	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	-	4	4	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	4	4	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg	-	5	5	1 506	37 889	1 333	2 615	30 533	116 631	128 836	244 124	D
336399	All other motor vehicle parts mfg	-	5	5	1 506	37 889	1 333	2 615	30 533	116 631	128 836	244 124	D
337	Furniture & related product mfg	-	10	2	g	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg	-	10	2	g	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg	-	5	1	g	D	D	D	D	D	D	D	D
337124	Metal household furniture mfg	-	2	1	g	D	D	D	D	D	D	D	D
	<b>BENTON COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing</b>	1	<b>16</b>	<b>7</b>	<b>562</b>	<b>12 556</b>	<b>404</b>	<b>783</b>	<b>8 222</b>	<b>29 798</b>	<b>29 360</b>	<b>58 825</b>	<b>1 100</b>
	<b>BLACKFORD COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing</b>	1	<b>28</b>	<b>19</b>	<b>2 081</b>	<b>58 575</b>	<b>1 711</b>	<b>3 580</b>	<b>40 486</b>	<b>143 155</b>	<b>178 997</b>	<b>299 191</b>	<b>11 256</b>
332	Fabricated metal product mfg	-	3	3	670	18 640	588	1 326	14 736	34 053	58 671	94 108	2 853

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>BOONE COUNTY, IN</b>													
31-33	Manufacturing . . . .	1	73	21	1 769	48 494	1 365	2 552	31 067	108 055	83 046	190 887	4 641
<b>CARROLL COUNTY, IN</b>													
31-33	Manufacturing . . . .	-	33	9	2 191	50 265	1 935	3 828	39 096	120 422	379 313	500 808	2 943
311	Food mfg . . . . .	-	3	1	g	D	D	D	D	D	D	D	D
3116	Meat product mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
<b>CASS COUNTY, IN</b>													
31-33	Manufacturing . . . .	-	60	35	6 129	157 914	5 258	11 350	121 893	362 088	635 668	994 332	29 250
311	Food mfg . . . . .	-	4	1	g	D	D	D	D	D	D	D	D
3116	Meat product mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	-	5	3	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	1	9	9	2 613	62 620	2 307	4 766	49 433	145 346	101 804	248 622	13 153
3363	Motor vehicle parts mfg . . .	1	9	9	2 613	62 620	2 307	4 766	49 433	145 346	101 804	248 622	13 153
33632	Motor vehicle electrical & electronic equipment mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg . . . . .	2	4	4	1 216	22 946	1 115	2 223	18 217	65 975	45 819	111 537	5 573
336399	All other motor vehicle parts mfg . . . . .	2	4	4	1 216	22 946	1 115	2 223	18 217	65 975	45 819	111 537	5 573
<b>CLARK COUNTY, IN</b>													
31-33	Manufacturing . . . .	2	163	59	i	D	D	D	D	D	D	D	53 588
321	Wood product mfg . . . . .	2	18	7	f	D	D	D	D	D	D	D	D
323	Printing & related support activities . . . . .	-	15	4	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities . . . . .	-	15	4	f	D	D	D	D	D	D	D	D
32311	Printing . . . . .	-	14	4	f	D	D	D	D	D	D	D	D
325	Chemical mfg . . . . .	8	11	5	831	38 793	608	1 311	28 550	141 605	105 920	239 101	D
3256	Soap, cleaning compound, & toilet preparation mfg . . . . .	9	3	2	f	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg . . . . .	9	3	2	f	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg . . . . .	9	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	-	28	7	766	21 605	609	1 172	14 384	43 334	49 300	92 913	12 320
333	Machinery mfg . . . . .	-	17	7	802	26 750	548	1 215	14 324	56 472	58 231	113 601	2 032
336	Transportation equipment mfg . . . . .	1	8	4	g	D	D	D	D	D	D	D	D
3366	Ship & boat building . . . . .	-	4	3	g	D	D	D	D	D	D	D	D
33661	Ship & boat building . . . . .	-	4	3	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing . . . . .	-	3	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>CLARK COUNTY, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
337	Furniture & related product mfg .....	-	15	8	g	D	D	D	D	D	D	D	2 324
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	11	5	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg .....	-	9	4	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet & counter top mfg ...	-	9	4	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>CLAY COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>34</b>	<b>13</b>	<b>g</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
336	Transportation equipment mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
336212	Truck trailer mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>CLINTON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>49</b>	<b>25</b>	<b>4 959</b>	<b>148 125</b>	<b>4 263</b>	<b>8 402</b>	<b>103 644</b>	<b>672 656</b>	<b>864 198</b>	<b>1 565 143</b>	<b>42 311</b>
311	Food mfg .....	-	11	6	g	D	D	D	D	D	D	D	D
3119	Other food mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
31191	Snack food mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
311919	Other snack food mfg .	-	2	2	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
339991	Gasket, packing, & sealing device mfg...	-	1	1	f	D	D	D	D	D	D	D	D
<b>DAVISS COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>51</b>	<b>16</b>	<b>1 947</b>	<b>37 371</b>	<b>1 560</b>	<b>3 104</b>	<b>26 807</b>	<b>118 654</b>	<b>231 185</b>	<b>350 020</b>	<b>7 427</b>
311	Food mfg .....	-	10	4	g	D	D	D	D	D	D	D	656
3116	Meat product mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing .....	-	2	1	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>DEARBORN COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>39</b>	<b>14</b>	<b>g</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>15 556</b>
312	Beverage & tobacco product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3121	Beverage mfg .....	-	2	2	f	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
339	Miscellaneous mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	-	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
339995	Burial casket 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>DECATUR COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>52</b>	<b>18</b>	<b>4 926</b>	<b>155 606</b>	<b>4 141</b>	<b>8 885</b>	<b>123 580</b>	<b>448 738</b>	<b>408 996</b>	<b>847 946</b>	<b>27 131</b>
332	Fabricated metal product mfg .....	-	12	4	2 700	84 280	2 380	5 418	71 795	333 109	226 122	548 995	D
3325	Hardware mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
33251	Hardware mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
332510	Hardware mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
33291	Metal valve mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting & trim mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery mfg .....	-	17	6	753	26 587	583	1 281	17 227	39 689	47 377	86 161	2 240
<b>DE KALB COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>119</b>	<b>71</b>	<b>11 000</b>	<b>364 305</b>	<b>8 336</b>	<b>16 720</b>	<b>247 761</b>	<b>982 879</b>	<b>1 065 818</b>	<b>2 040 228</b>	<b>67 797</b>
321	Wood product mfg .....	-	8	4	653	14 399	572	783	10 631	32 396	46 352	78 774	D
3219	Other wood product mfg ...	-	8	4	653	14 399	572	783	10 631	32 396	46 352	78 774	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
326	Plastics & rubber products mfg .....	4	14	10	2 070	66 814	1 452	2 701	36 822	146 632	140 050	280 685	12 622
3261	Plastics product mfg .....	6	10	8	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	3	8	6	760	21 716	604	1 139	14 834	60 254	32 831	93 037	4 437
326199	All other plastics product mfg .....	3	8	6	760	21 716	604	1 139	14 834	60 254	32 831	93 037	4 437
3262	Rubber product mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use .....	-	3	2	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg .	-	1	1	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass .....	-	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	10	9	2 056	68 691	1 687	3 617	54 238	208 210	242 011	452 088	9 510
3315	Foundries .....	-	7	7	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .	-	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	5	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	27	16	2 015	68 227	1 552	3 083	46 784	221 036	289 543	511 176	10 457
3323	Architectural & structural metals mfg .....	-	8	7	968	35 302	684	1 381	22 045	146 307	211 543	358 365	2 318
33231	Plate work & fabricated structural product mfg ..	-	5	4	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	-	16	8	630	24 114	388	856	12 490	46 730	33 788	79 160	2 636
335	Electrical equipment, appliance, & component mfg .....	1	6	6	546	11 819	402	848	7 055	26 251	29 309	55 123	1 084
336	Transportation equipment mfg .....	-	8	4	1 024	45 022	778	1 694	33 270	134 380	114 910	248 092	20 308
3363	Motor vehicle parts mfg ...	-	7	4	g	D	D	D	D	D	D	D	20 308
33635	Motor vehicle transmission & power train parts mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>DELAWARE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>176</b>	<b>77</b>	<b>9 972</b>	<b>402 577</b>	<b>7 525</b>	<b>15 244</b>	<b>264 102</b>	<b>882 850</b>	<b>879 486</b>	<b>1 764 475</b>	<b>68 058</b>
323	Printing & related support activities . . . . .	-	20	8	530	13 602	416	766	8 558	34 334	14 476	48 303	2 687
3231	Printing & related support activities . . . . .	-	20	8	530	13 602	416	766	8 558	34 334	14 476	48 303	2 687
32311	Printing . . . . .	-	19	8	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	8	7	587	19 023	461	1 109	13 367	77 310	58 486	137 025	3 800
332	Fabricated metal product mfg . . . . .	-	57	25	1 909	53 544	1 504	2 789	35 056	149 918	86 947	233 696	9 452
333	Machinery mfg . . . . .	-	32	11	1 008	44 491	656	1 452	24 780	99 364	40 570	142 487	10 893
335	Electrical equipment, appliance, & component mfg . . . . .	-	3	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	11	7	3 961	196 584	2 947	6 222	126 212	333 357	474 764	812 511	33 159
3363	Motor vehicle parts mfg . . . . .	-	10	7	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	-	3	3	h	D	D	D	D	D	D	D	26 713
336350	Motor vehicle transmission & power train parts mfg . . . . .	-	3	3	h	D	D	D	D	D	D	D	26 713
<b>DUBOIS COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>114</b>	<b>66</b>	<b>12 450</b>	<b>327 936</b>	<b>10 442</b>	<b>22 874</b>	<b>251 285</b>	<b>815 239</b>	<b>827 320</b>	<b>1 637 021</b>	<b>53 349</b>
311	Food mfg . . . . .	-	7	3	780	15 636	655	1 376	12 209	18 139	82 734	96 718	1 248
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
311615	Poultry processing . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg . . . . .	-	27	15	1 685	43 029	1 508	3 285	36 972	75 434	148 767	223 662	8 904
3212	Veneer, plywood, & engineered wood product mfg . . . . .	-	5	5	720	19 348	613	1 330	16 115	31 557	72 029	103 047	D
32121	Veneer, plywood, & engineered wood product mfg . . . . .	-	5	5	720	19 348	613	1 330	16 115	31 557	72 029	103 047	D
321211	Hardwood veneer & plywood mfg . . . . .	-	4	4	f	D	D	D	D	D	D	D	D
3219	Other wood product mfg . . . . .	1	17	10	918	22 535	852	1 879	19 944	41 939	73 493	115 356	D
32191	Millwork . . . . .	1	13	10	891	22 114	830	1 844	19 643	40 985	72 506	113 417	D
321912	Cut stock, resawing lumber, & planing . . . . .	1	10	9	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	1	6	6	982	24 702	794	1 642	19 152	47 092	25 311	72 442	D
3262	Rubber product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	-	1	1	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
334418	Printed circuit assembly (electronic assembly) mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg . . . . .	-	1	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>DUBOIS COUNTY, IN—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
337	Furniture & related product mfg .....	-	39	29	6 201	164 609	5 365	11 476	129 579	488 145	346 186	832 589	19 661
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	25	19	3 456	94 044	3 045	6 607	74 168	310 223	202 958	510 798	8 810
33711	Wood kitchen cabinet & counter top mfg .....	-	9	5	f	D	D	D	D	D	D	D	1 324
337110	Wood kitchen cabinet & counter top mfg ...	-	9	5	f	D	D	D	D	D	D	D	1 324
33712	Household & institutional furniture mfg .....	-	16	14	h	D	D	D	D	D	D	D	7 486
337121	Upholstered household furniture mfg .....	-	4	3	g	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg .....	1	9	8	1 055	29 541	886	2 017	22 490	62 116	59 848	119 385	2 003
3372	Office furniture (including fixtures) mfg .....	-	14	10	2 745	70 565	2 320	4 869	55 411	177 922	143 228	321 791	10 851
33721	Office furniture (including fixtures) mfg .....	-	14	10	2 745	70 565	2 320	4 869	55 411	177 922	143 228	321 791	10 851
337211	Wood office furniture mfg .....	-	11	9	h	D	D	D	D	D	D	D	D
	<b>ELKHART COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>894</b>	<b>464</b>	<b>56 087</b>	<b>1 610 765</b>	<b>44 247</b>	<b>86 698</b>	<b>1 093 838</b>	<b>3 861 781</b>	<b>5 115 386</b>	<b>8 999 868</b>	<b>214 951</b>
311	Food mfg .....	-	19	7	821	20 698	613	1 223	14 420	45 611	174 923	226 446	2 341
314	Textile product mills .....	1	26	7	597	11 679	509	970	8 545	20 698	20 445	41 846	D
3141	Textile furnishings mills....	-	17	6	509	10 129	443	860	7 506	17 535	18 051	36 200	609
321	Wood product mfg .....	1	91	48	6 293	183 300	5 133	10 117	134 257	372 464	649 231	1 023 225	13 819
3219	Other wood product mfg ...	1	81	43	5 969	175 891	4 857	9 583	128 872	353 049	612 142	967 813	12 390
32191	Millwork .....	-	30	17	1 324	34 664	1 124	2 169	26 205	61 725	116 122	179 277	2 289
321911	Wood window & door mfg .....	1	11	7	647	15 657	567	1 019	11 670	30 888	29 425	59 834	765
32199	All other wood product mfg .....	1	45	24	4 569	139 824	3 669	7 285	101 628	288 625	493 441	783 267	10 015
321991	Manufactured home (mobile home) mfg ..	1	23	20	4 075	125 622	3 290	6 575	93 348	261 331	455 566	717 796	8 132
325	Chemical mfg .....	-	21	10	g	D	D	D	D	D	D	D	16 290
326	Plastics & rubber products mfg .....	1	101	68	5 833	142 890	4 787	8 859	99 737	355 956	395 989	750 774	30 590
3261	Plastics product mfg .....	1	84	57	4 077	101 317	3 307	6 152	69 670	286 476	327 598	614 495	24 975
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg .....	1	12	9	593	18 401	454	946	12 597	77 165	76 542	152 636	9 949
32615	Urethane & other foam product (except polystyrene) mfg .....	-	11	11	885	22 070	729	1 239	15 570	74 789	116 954	191 712	2 901
326150	Urethane & other foam product (except polystyrene) mfg ....	-	11	11	885	22 070	729	1 239	15 570	74 789	116 954	191 712	2 901
32619	Other plastics product mfg .....	2	48	31	2 094	47 177	1 736	3 253	33 185	102 811	82 692	187 122	9 426
326199	All other plastics product mfg .....	2	47	31	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg .....	-	17	11	1 756	41 573	1 480	2 707	30 067	69 480	68 391	136 279	5 615
32629	Other rubber product mfg .....	-	15	11	g	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use .....	-	9	8	1 478	35 563	1 230	2 248	25 568	54 826	39 692	93 051	D
327	Nonmetallic mineral product mfg .....	-	34	16	1 679	46 961	1 285	2 756	28 822	108 571	200 254	309 136	7 238
3272	Glass & glass product mfg .	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
32721	Glass & glass product mfg .....	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
327215	Glass product mfg made of purchased glass.....	-	10	8	1 067	25 974	828	1 766	15 309	52 693	101 831	155 203	3 269
331	Primary metal mfg .....	-	14	11	1 493	48 229	1 177	2 530	34 496	171 969	179 639	350 282	6 147
3315	Foundries .....	-	4	3	f	D	D	D	D	D	D	D	2 040
33152	Nonferrous metal foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) ..	-	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ELKHART COUNTY, IN—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg .....	1	156	69	6 109	169 723	4 934	9 861	118 916	390 551	418 544	801 720	28 441
3321	Forging & stamping .....	1	22	10	556	14 011	460	1 015	9 679	31 959	37 554	69 439	3 155
33211	Forging & stamping .....	1	22	10	556	14 011	460	1 015	9 679	31 959	37 554	69 439	3 155
3323	Architectural & structural metals mfg .....	—	48	27	2 778	68 808	2 284	4 519	48 439	168 343	240 375	407 683	6 607
33231	Plate work & fabricated structural product mfg ..	—	17	9	641	17 272	528	1 072	12 005	53 977	104 169	156 571	2 280
33232	Ornamental & architectural metal products mfg .....	—	31	18	2 137	51 536	1 756	3 447	36 434	114 366	136 206	251 112	4 327
332321	Metal window & door mfg .....	—	10	7	970	19 866	861	1 551	16 061	45 715	57 729	104 270	1 383
332322	Sheet metal work mfg ..	—	16	9	880	24 492	700	1 502	16 403	55 608	64 028	119 251	1 439
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	—	39	7	574	17 665	445	837	11 437	29 626	17 638	47 688	1 191
3329	Other fabricated metal product mfg .....	—	16	9	1 073	37 090	822	1 727	26 272	91 221	59 053	142 938	14 307
33291	Metal valve mfg .....	—	3	3	f	D	D	D	D	D	D	D	D
332919	Other metal valve & pipe fitting mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	—	56	19	1 380	44 482	989	1 996	27 136	89 730	68 013	157 576	7 780
3335	Metalworking machinery mfg .....	1	36	10	539	21 307	388	764	14 020	35 033	14 837	49 540	2 355
33351	Metalworking machinery mfg .....	1	36	10	539	21 307	388	764	14 020	35 033	14 837	49 540	2 355
334	Computer & electronic product mfg .....	—	16	9	2 888	71 851	1 857	3 346	38 678	126 455	86 047	212 719	10 822
3342	Communications equipment mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg .....	—	7	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	—	7	3	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg .....	—	3	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg .....	—	4	4	685	19 504	510	915	12 006	56 502	24 511	81 205	D
33451	Navigational, measuring, medical, & control instruments mfg .....	—	4	4	685	19 504	510	915	12 006	56 502	24 511	81 205	D
334512	Automatic environmental control mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	1	14	8	820	21 202	565	1 315	10 987	38 225	43 142	81 421	5 455
3353	Electrical equipment mfg ..	2	8	4	563	15 613	379	940	7 803	22 187	18 884	41 650	D
33531	Electrical equipment mfg .....	2	8	4	563	15 613	379	940	7 803	22 187	18 884	41 650	D
336	Transportation equipment mfg .....	1	193	130	20 774	605 921	16 569	32 550	430 434	1 399 956	2 469 866	3 889 985	68 098
3362	Motor vehicle body & trailer mfg .....	—	111	81	14 649	436 270	11 684	23 256	313 761	983 379	1 957 053	2 955 514	48 089
33621	Motor vehicle body & trailer mfg .....	—	111	81	14 649	436 270	11 684	23 256	313 761	983 379	1 957 053	2 955 514	48 089
336211	Motor vehicle body mfg .....	—	22	15	h	D	D	D	D	D	D	D	6 128
336213	Motor home mfg .....	—	21	14	h	D	D	D	D	D	D	D	D
336214	Travel trailer & camper mfg .....	—	66	52	7 034	200 279	5 680	11 962	141 609	421 922	808 144	1 239 700	19 666
3363	Motor vehicle parts mfg ...	2	60	36	4 370	113 146	3 482	6 406	78 322	298 358	340 890	644 396	14 689
33636	Motor vehicle seating & interior trim mfg .....	3	17	12	1 382	32 700	1 155	2 276	24 313	54 965	76 203	131 996	2 343
336360	Motor vehicle seating & interior trim mfg ...	3	17	12	1 382	32 700	1 155	2 276	24 313	54 965	76 203	131 996	2 343
33639	Other motor vehicle parts mfg .....	1	23	12	2 127	58 632	1 651	2 989	39 822	173 977	137 785	316 051	8 584
336399	All other motor vehicle parts mfg .....	1	20	11	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>ELKHART COUNTY, IN</b>												
	—Con.												
<b>31-33</b>	<b>Manufacturing—</b>												
	Con.												
336	Transportation equipment mfg—Con.												
3366	Ship & boat building .....	—	6	3	729	23 909	620	1 388	16 934	44 155	70 306	115 444	1 080
33661	Ship & boat building .....	—	6	3	729	23 909	620	1 388	16 934	44 155	70 306	115 444	1 080
336612	Boat building .....	—	5	3	f	D	D	D	D	D	D	D	1 080
3369	Other transportation equipment mfg .....	2	10	7	821	26 902	619	1 224	17 153	58 823	76 471	134 634	3 512
33699	Other transportation equipment mfg .....	2	10	7	821	26 902	619	1 224	17 153	58 823	76 471	134 634	3 512
336999	All other transportation equipment mfg .....	2	9	7	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	1	72	38	3 736	98 195	3 103	6 286	71 758	205 466	167 399	368 111	8 206
3371	Household & institutional furniture & kitchen cabinet mfg .....	1	48	21	1 889	43 963	1 563	2 984	32 286	100 755	84 600	184 104	3 898
33711	Wood kitchen cabinet & counter top mfg .....	—	24	13	1 367	33 455	1 142	2 225	24 681	80 855	62 065	142 580	3 018
337110	Wood kitchen cabinet & counter top mfg ...	—	24	13	1 367	33 455	1 142	2 225	24 681	80 855	62 065	142 580	3 018
33712	Household & institutional furniture mfg .....	1	24	8	522	10 508	421	759	7 605	19 900	22 535	41 524	880
3372	Office furniture (including fixtures) mfg .....	—	16	11	1 473	46 446	1 239	2 510	34 096	86 055	62 357	144 092	4 045
33721	Office furniture (including fixtures) mfg .....	—	16	11	1 473	46 446	1 239	2 510	34 096	86 055	62 357	144 092	4 045
337215	Showcase, partition, shelving, & locker mfg .....	—	2	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	1	38	13	1 683	53 196	1 443	2 760	41 552	130 559	50 782	181 257	4 574
3399	Other miscellaneous mfg ...	—	29	13	1 621	51 622	1 387	2 657	40 373	125 781	48 080	173 746	4 495
33999	All other miscellaneous mfg .....	—	20	11	1 561	50 193	1 338	2 577	39 597	123 265	46 143	169 321	4 251
339992	Musical instrument mfg .....	—	10	6	1 060	34 234	954	1 865	29 768	85 512	27 682	112 108	2 107
	<b>FAYETTE COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>36</b>	<b>17</b>	<b>4 809</b>	<b>217 039</b>	<b>3 860</b>	<b>8 482</b>	<b>164 344</b>	<b>688 001</b>	<b>566 634</b>	<b>1 254 273</b>	<b>D</b>
333	Machinery mfg .....	—	12	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	—	4	3	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	4	3	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	—	2	2	h	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning mfg .....	—	1	1	h	D	D	D	D	D	D	D	D
	<b>FLOYD COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>135</b>	<b>60</b>	<b>7 499</b>	<b>204 050</b>	<b>5 970</b>	<b>12 499</b>	<b>140 841</b>	<b>668 241</b>	<b>574 649</b>	<b>1 243 176</b>	<b>55 735</b>
311	Food mfg .....	—	7	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	—	4	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg .....	—	1	1	f	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour .....	—	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg .....	—	17	9	640	14 155	541	1 053	9 278	27 289	28 532	55 305	D
323	Printing & related support activities .....	—	13	4	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	—	13	4	f	D	D	D	D	D	D	D	D
32311	Printing .....	—	10	4	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing ..	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	8	8	6	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	8	8	6	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	9	6	4	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	9	5	3	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	2	26	12	900	23 971	665	1 306	17 096	58 141	30 130	86 990	D
333	Machinery mfg .....	—	13	5	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
<b>FLOYD COUNTY, IN—Con.</b>														
<b>31-33</b>	<b>Manufacturing—Con.</b>													
334	Computer & electronic product mfg .....	2	10	4	f	D	D	D	D	D	D	D	D	
3344	Semiconductor & other electronic component mfg .....	2	7	4	f	D	D	D	D	D	D	D	D	
33441	Semiconductor & other electronic component mfg .....	2	7	4	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg .....	1	4	3	f	D	D	D	D	D	D	D	D	
3363	Motor vehicle parts mfg ...	1	3	2	f	D	D	D	D	D	D	D	D	
<b>FOUNTAIN COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>22</b>	<b>11</b>		<b>2 616</b>	<b>67 793</b>	<b>2 193</b>	<b>4 383</b>	<b>50 565</b>	<b>155 745</b>	<b>123 329</b>	<b>282 830</b>	<b>31 715</b>
331	Primary metal mfg .....	—	3	2	f	D	D	D	D	D	D	D	D	D
3315	Foundries .....	—	3	2	f	D	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .	—	3	2	f	D	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) .....	—	1	1	f	D	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	—	1	1	f	D	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	1	1	f	D	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	—	1	1	f	D	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	—	1	1	f	D	D	D	D	D	D	D	D	D
<b>FRANKLIN COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>19</b>	<b>6</b>		<b>812</b>	<b>23 282</b>	<b>566</b>	<b>1 134</b>	<b>13 633</b>	<b>68 317</b>	<b>68 377</b>	<b>134 460</b>	<b>2 376</b>
<b>FULTON COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>2</b>	<b>52</b>	<b>26</b>		<b>3 004</b>	<b>79 133</b>	<b>2 435</b>	<b>5 228</b>	<b>57 887</b>	<b>191 185</b>	<b>233 378</b>	<b>424 420</b>	<b>12 199</b>
332	Fabricated metal product mfg .....	—	15	7		737	20 312	570	1 226	14 771	52 267	48 911	101 390	5 324
<b>GIBSON COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>42</b>	<b>18</b>		<b>2 142</b>	<b>54 321</b>	<b>1 744</b>	<b>3 794</b>	<b>40 955</b>	<b>135 096</b>	<b>198 517</b>	<b>336 079</b>	<b>10 792</b>
335	Electrical equipment, appliance, & component mfg .....	—	4	2	f	D	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	—	4	2	f	D	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	—	4	2	f	D	D	D	D	D	D	D	D	D
335312	Motor & generator mfg .....	—	4	2	f	D	D	D	D	D	D	D	D	D
<b>GRANT COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>80</b>	<b>39</b>		<b>9 375</b>	<b>395 185</b>	<b>7 924</b>	<b>16 988</b>	<b>313 495</b>	<b>736 775</b>	<b>1 054 153</b>	<b>1 784 354</b>	<b>100 323</b>
326	Plastics & rubber products mfg .....	—	6	5		504	16 846	406	858	11 860	34 629	38 003	72 672	D
327	Nonmetallic mineral product mfg .....	—	3	1	f	D	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg .	—	1	1	f	D	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg .....	—	1	1	f	D	D	D	D	D	D	D	D	D
327213	Glass container mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	—	2	1	g	D	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg .....	—	1	1	g	D	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	—	1	1	g	D	D	D	D	D	D	D	D	D
334411	Electron tube mfg ....	—	1	1	g	D	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>GRANT COUNTY, IN—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg .....	-	8	7	3 349	185 284	2 943	6 435	157 640	228 443	304 207	535 725	55 770
3363	Motor vehicle parts mfg ...	-	6	5	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	2	2	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	g	D	D	D	D	D	D	D	D
	<b>GREENE COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>26</b>	<b>8</b>	<b>1 136</b>	<b>18 526</b>	<b>973</b>	<b>1 746</b>	<b>13 862</b>	<b>37 370</b>	<b>133 842</b>	<b>171 688</b>	<b>2 341</b>
	<b>HAMILTON COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>191</b>	<b>56</b>	<b>5 687</b>	<b>185 833</b>	<b>4 065</b>	<b>7 754</b>	<b>104 204</b>	<b>491 490</b>	<b>339 525</b>	<b>836 301</b>	<b>28 502</b>
326	Plastics & rubber products mfg .....	-	13	7	972	30 522	776	1 465	19 565	169 046	66 794	236 858	1 975
332	Fabricated metal product mfg .....	-	30	11	1 033	35 415	741	1 579	21 539	71 220	37 487	109 053	8 606
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	-	15	4	f	D	D	D	D	D	D	D	6 793
336	Transportation equipment mfg .....	-	8	5	977	31 996	690	1 196	16 280	73 354	56 027	131 019	D
3363	Motor vehicle parts mfg ...	-	5	3	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating & interior trim mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
	<b>HANCOCK COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>66</b>	<b>16</b>	<b>2 564</b>	<b>88 447</b>	<b>1 901</b>	<b>4 054</b>	<b>54 293</b>	<b>273 495</b>	<b>436 583</b>	<b>712 867</b>	<b>52 662</b>
336	Transportation equipment mfg .....	-	5	5	1 361	49 237	1 054	2 341	30 969	162 275	298 188	462 881	D
3363	Motor vehicle parts mfg ...	-	4	4	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg ....	-	1	1	g	D	D	D	D	D	D	D	D
	<b>HARRISON COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>38</b>	<b>15</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>9 390</b>
311	Food mfg .....	-	2	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
336	Transportation equipment mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	3	2	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	5	4	f	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	3	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
	<b>HENDRICKS COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>80</b>	<b>22</b>	<b>1 537</b>	<b>48 483</b>	<b>1 090</b>	<b>2 175</b>	<b>28 099</b>	<b>108 324</b>	<b>139 577</b>	<b>248 412</b>	<b>13 435</b>

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>HENRY COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>57</b>	<b>17</b>	<b>3 516</b>	<b>164 766</b>	<b>2 818</b>	<b>6 913</b>	<b>131 291</b>	<b>297 348</b>	<b>397 737</b>	<b>688 671</b>	<b>27 314</b>
336	Transportation equipment mfg . . . . .	-	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . .	-	3	3	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg . . . .	-	1	1	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
<b>HOWARD COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>80</b>	<b>31</b>	<b>20 018</b>	<b>1 077 938</b>	<b>13 762</b>	<b>30 444</b>	<b>728 047</b>	<b>2 341 426</b>	<b>2 366 213</b>	<b>4 732 158</b>	<b>D</b>
331	Primary metal mfg . . . . .	-	4	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	-	2	1	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . .	-	2	1	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	4	4	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . .	-	4	4	j	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	-	4	4	j	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg . . . . .	-	4	4	j	D	D	D	D	D	D	D	D
<b>HUNTINGTON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>78</b>	<b>42</b>	<b>7 451</b>	<b>207 753</b>	<b>5 618</b>	<b>11 773</b>	<b>121 922</b>	<b>652 770</b>	<b>593 595</b>	<b>1 245 462</b>	<b>39 734</b>
332	Fabricated metal product mfg . . . . .	-	18	8	1 068	27 972	783	1 258	15 472	79 145	58 543	135 760	7 169
3325	Hardware mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	-	6	6	1 927	49 974	1 382	2 887	25 497	111 895	121 726	236 514	8 746
3344	Semiconductor & other electronic component mfg . . . . .	-	4	4	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg . . . . .	-	4	4	g	D	D	D	D	D	D	D	D
334419	Other electronic component mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	8	6	2 083	54 055	1 859	4 314	40 799	226 907	174 318	398 533	D
3363	Motor vehicle parts mfg . . .	-	6	6	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg . . . . .	1	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg . . . . .	1	2	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>JACKSON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>90</b>	<b>39</b>	<b>5 848</b>	<b>179 375</b>	<b>4 560</b>	<b>9 685</b>	<b>116 294</b>	<b>544 671</b>	<b>643 337</b>	<b>1 182 656</b>	<b>46 307</b>
332	Fabricated metal product mfg . . . . .	-	8	5	824	21 803	632	1 153	9 848	52 052	54 811	108 489	5 112
3329	Other fabricated metal product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	-	16	5	697	31 820	533	1 236	24 431	105 776	98 191	200 600	5 001
336	Transportation equipment mfg . . . . .	-	6	5	1 968	65 017	1 473	3 437	38 987	197 637	248 131	444 144	D
3363	Motor vehicle parts mfg . . .	-	5	5	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
<b>JASPER COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>33</b>	<b>13</b>	<b>1 479</b>	<b>35 170</b>	<b>1 239</b>	<b>2 502</b>	<b>24 675</b>	<b>134 349</b>	<b>144 652</b>	<b>279 375</b>	<b>16 519</b>
332	Fabricated metal product mfg . . . . .	-	7	4	f	D	D	D	D	D	D	D	D
<b>JAY COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>39</b>	<b>23</b>	<b>3 751</b>	<b>86 594</b>	<b>3 250</b>	<b>6 079</b>	<b>68 988</b>	<b>236 411</b>	<b>295 465</b>	<b>539 091</b>	<b>33 205</b>
311	Food mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg . . . . .	-	5	2	f	D	D	D	D	D	D	D	D
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
327212	Other pressed & blown glass & glassware mfg . . . . .	-	2	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	-	7	3	1 035	22 618	857	1 446	17 123	26 853	38 716	65 229	2 249
3326	Spring & wire product mfg .	-	1	1	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
<b>JEFFERSON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>51</b>	<b>20</b>	<b>3 655</b>	<b>97 322</b>	<b>2 787</b>	<b>5 594</b>	<b>64 801</b>	<b>257 504</b>	<b>290 430</b>	<b>548 870</b>	<b>30 340</b>
333	Machinery mfg . . . . .	1	10	4	721	25 170	513	1 094	18 245	80 764	50 592	131 268	5 450
336	Transportation equipment mfg . . . . .	-	5	4	1 616	42 447	1 232	2 428	27 286	106 942	185 527	293 950	20 713
3363	Motor vehicle parts mfg . . .	-	4	4	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
<b>JENNINGS COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>42</b>	<b>22</b>	<b>2 410</b>	<b>55 693</b>	<b>2 002</b>	<b>4 166</b>	<b>41 616</b>	<b>145 379</b>	<b>120 395</b>	<b>263 150</b>	<b>28 924</b>
326	Plastics & rubber products mfg . . . . .	-	8	5	651	12 663	555	994	9 128	44 409	48 989	93 375	D
3261	Plastics product mfg . . . . .	-	8	5	651	12 663	555	994	9 128	44 409	48 989	93 375	D
332	Fabricated metal product mfg . . . . .	2	12	7	535	10 288	419	846	8 046	21 542	9 567	30 662	1 296

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>JOHNSON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>126</b>	<b>48</b>	<b>6 486</b>	<b>204 570</b>	<b>4 977</b>	<b>10 285</b>	<b>124 485</b>	<b>530 976</b>	<b>768 668</b>	<b>1 305 522</b>	<b>81 383</b>
321	Wood product mfg .....	-	11	8	1 018	30 495	826	1 760	17 149	73 871	78 109	149 888	5 835
3212	Veneer, plywood, & engineered wood product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
321211	Hardwood veneer & plywood mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	3	8	7	841	24 068	695	1 492	17 710	65 111	103 857	167 122	16 143
3261	Plastics product mfg .....	3	8	7	841	24 068	695	1 492	17 710	65 111	103 857	167 122	16 143
32619	Other plastics product mfg .....	1	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	1	6	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	29	7	914	35 146	663	1 435	19 380	119 711	93 665	212 770	5 510
333	Machinery mfg .....	-	23	9	685	24 732	487	963	13 138	39 716	37 523	76 436	2 205
334	Computer & electronic product mfg .....	-	6	4	604	21 199	314	718	8 792	44 666	148 836	204 210	10 695
336	Transportation equipment mfg .....	1	7	5	1 574	43 603	1 371	2 608	32 812	135 153	209 191	344 675	26 535
3363	Motor vehicle parts mfg ...	1	7	5	1 574	43 603	1 371	2 608	32 812	135 153	209 191	344 675	26 535
33639	Other motor vehicle parts mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
<b>KNOX COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>44</b>	<b>16</b>	<b>1 715</b>	<b>46 229</b>	<b>1 370</b>	<b>2 624</b>	<b>33 283</b>	<b>122 529</b>	<b>166 800</b>	<b>289 096</b>	<b>16 327</b>
327	Nonmetallic mineral product mfg .....	-	5	2	f	D	D	D	D	D	D	D	D
<b>KOSCIUSKO COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>186</b>	<b>85</b>	<b>14 949</b>	<b>514 076</b>	<b>11 122</b>	<b>22 395</b>	<b>311 191</b>	<b>1 716 502</b>	<b>1 259 505</b>	<b>2 969 180</b>	<b>107 363</b>
311	Food mfg .....	4	11	6	813	20 912	531	1 065	10 724	52 770	91 072	144 412	4 126
3116	Meat product mfg .....	8	3	3	f	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing .....	8	3	3	f	D	D	D	D	D	D	D	D
311615	Poultry processing .....	8	3	3	f	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	-	10	4	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	-	10	4	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	10	4	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	15	10	1 008	28 566	894	1 854	20 909	75 877	58 516	134 376	4 375
3261	Plastics product mfg .....	-	13	8	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	4	3	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	-	3	3	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	41	22	1 330	38 278	1 027	2 137	25 730	92 436	75 294	158 361	6 194
333	Machinery mfg .....	-	11	5	881	27 027	677	1 405	17 699	103 142	58 018	161 406	9 888
336	Transportation equipment mfg .....	-	13	9	1 839	68 286	1 480	3 173	52 153	186 811	309 854	491 597	18 539
3363	Motor vehicle parts mfg ...	-	5	3	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
3366	Ship & boat building .....	-	4	3	f	D	D	D	D	D	D	D	D
33661	Ship & boat building .....	-	4	3	f	D	D	D	D	D	D	D	D
336612	Boat building .....	-	4	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>KOSCIUSKO COUNTY, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
339	Miscellaneous mfg.....	-	20	8	4 224	187 020	2 492	3 854	77 487	847 227	268 013	1 121 931	36 194
3391	Medical equipment & supplies mfg.....	-	15	7	4 141	185 567	2 426	3 745	76 781	844 576	266 508	1 117 729	35 906
33911	Medical equipment & supplies mfg.....	-	15	7	4 141	185 567	2 426	3 745	76 781	844 576	266 508	1 117 729	35 906
339113	Surgical appliance & supplies mfg.....	-	5	5	4 027	181 764	2 340	3 568	74 420	838 188	264 407	1 109 433	D
<b>LAGRANGE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>77</b>	<b>33</b>	<b>4 765</b>	<b>154 337</b>	<b>3 832</b>	<b>8 629</b>	<b>114 545</b>	<b>371 731</b>	<b>516 176</b>	<b>887 445</b>	<b>19 151</b>
321	Wood product mfg.....	-	14	9	1 548	61 896	1 346	3 032	51 479	159 451	225 072	384 444	8 137
3219	Other wood product mfg...	-	12	8	g	D	D	D	D	D	D	D	D
32199	All other wood product mfg.....	-	6	5	g	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg ..	-	5	5	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	13	8	1 350	43 282	1 030	2 401	31 357	112 542	168 954	281 576	3 299
3362	Motor vehicle body & trailer mfg.....	-	8	5	668	22 772	528	1 198	15 863	47 650	89 592	138 230	836
33621	Motor vehicle body & trailer mfg.....	-	8	5	668	22 772	528	1 198	15 863	47 650	89 592	138 230	836
336214	Travel trailer & camper mfg.....	-	5	3	550	19 738	437	1 029	13 844	42 103	82 110	125 149	D
<b>LAKE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>423</b>	<b>165</b>	<b>37 109</b>	<b>1 748 258</b>	<b>28 136</b>	<b>59 721</b>	<b>1 262 167</b>	<b>5 978 438</b>	<b>8 363 761</b>	<b>14 297 855</b>	<b>630 669</b>
311	Food mfg.....	-	25	9	g	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling ....	-	1	1	f	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
311221	Wet corn milling.....	-	1	1	f	D	D	D	D	D	D	D	D
324	Petroleum & coal products mfg.....	-	10	5	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg.....	-	10	5	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries ....	-	1	1	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	g	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, & saturated materials mfg.....	-	5	2	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle & coating materials mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	23	13	1 429	79 571	983	2 386	47 630	430 403	404 566	840 089	D
3251	Basic chemical mfg.....	-	13	10	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	-	12	6	598	21 434	404	738	9 546	65 332	37 152	100 089	D
3261	Plastics product mfg.....	-	11	6	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	-	40	17	1 081	38 736	819	1 736	27 572	135 791	120 626	258 785	D
331	Primary metal mfg.....	-	15	13	j	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg.....	-	5	5	21 139	1 149 276	16 124	35 153	867 672	3 666 237	3 480 133	7 089 870	D
33111	Iron & steel mills & ferroalloy mfg.....	-	5	5	21 139	1 149 276	16 124	35 153	867 672	3 666 237	3 480 133	7 089 870	D
331111	Iron & steel mills.....	-	5	5	21 139	1 149 276	16 124	35 153	867 672	3 666 237	3 480 133	7 089 870	D
3312	Steel product mfg from purchased steel.....	-	4	4	f	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel.....	-	3	3	f	D	D	D	D	D	D	D	D
331221	Cold-rolled steel shape mfg.....	-	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>LAKE COUNTY, IN— Con.</b>												
<b>31-33</b>	<b>Manufacturing— Con.</b>												
332	Fabricated metal product mfg .....	1	108	41	2 490	85 997	1 956	3 920	60 070	200 145	241 404	429 661	10 763
3323	Architectural & structural metals mfg .....	—	28	12	638	22 105	483	969	14 488	54 341	72 333	121 476	2 789
3327	Machine shops, turned product, & screw, nut, & bolt mfg .....	2	50	15	f	D	D	D	D	D	D	D	D
33271	Machine shops .....	2	47	14	f	D	D	D	D	D	D	D	3 727
332710	Machine shops .....	2	47	14	f	D	D	D	D	D	D	D	3 727
333	Machinery mfg .....	—	37	17	1 208	41 595	815	1 778	21 809	89 317	57 150	143 009	D
3339	Other general-purpose machinery mfg .....	—	19	11	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	—	14	7	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock mfg ..	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
33651	Railroad rolling stock mfg .....	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
336510	Railroad rolling stock mfg .....	—	4	4	1 471	50 707	1 063	1 993	28 708	103 978	121 520	228 999	D
339	Miscellaneous mfg .....	2	35	9	847	20 806	601	1 164	11 260	54 894	22 593	76 631	2 103
3391	Medical equipment & supplies mfg .....	1	18	5	524	12 947	372	714	6 672	27 871	8 133	35 672	D
33911	Medical equipment & supplies mfg .....	1	18	5	524	12 947	372	714	6 672	27 871	8 133	35 672	D
	<b>LA PORTE COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>189</b>	<b>95</b>	<b>10 835</b>	<b>351 238</b>	<b>7 863</b>	<b>16 090</b>	<b>213 317</b>	<b>1 065 607</b>	<b>951 661</b>	<b>2 007 896</b>	<b>78 030</b>
311	Food mfg .....	—	8	4	670	22 926	492	962	11 607	41 927	39 903	81 773	6 502
3118	Bakeries & tortilla mfg .....	—	5	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	2	18	9	691	18 155	592	1 040	13 069	38 447	38 025	76 978	3 152
331	Primary metal mfg .....	—	7	6	1 565	58 563	1 284	2 692	41 482	146 510	115 565	259 461	20 758
3315	Foundries .....	—	5	4	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	—	4	3	1 271	46 400	1 046	2 238	32 851	105 539	62 576	166 055	D
331512	Steel investment foundries .....	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	—	56	26	2 088	65 865	1 603	3 147	43 641	200 577	210 555	413 101	13 978
333	Machinery mfg .....	—	28	15	1 818	71 018	1 161	2 362	36 230	262 003	231 695	482 863	9 455
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	—	3	3	783	33 278	498	891	17 272	107 900	70 363	178 241	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	3	3	783	33 278	498	891	17 272	107 900	70 363	178 241	D
333414	Heating equipment (except warm air furnaces) mfg .....	—	1	1	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	—	10	6	610	21 469	427	995	12 592	113 356	126 284	229 434	4 542
336	Transportation equipment mfg .....	—	3	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	3	3	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	—	2	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>LAWRENCE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>75</b>	<b>30</b>	<b>5 322</b>	<b>194 970</b>	<b>4 457</b>	<b>9 156</b>	<b>154 053</b>	<b>448 672</b>	<b>610 602</b>	<b>1 062 956</b>	<b>39 251</b>
327	Nonmetallic mineral product mfg .....	-	15	7	567	20 377	440	941	14 395	58 115	36 010	93 623	D
331	Primary metal mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	1	1	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries .....	-	1	1	g	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries .....	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	20	8	540	15 547	412	834	10 128	36 774	30 160	66 651	3 105
336	Transportation equipment mfg .....	-	5	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	3	2	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	2	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg ....	-	2	1	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MADISON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>133</b>	<b>50</b>	<b>12 144</b>	<b>534 308</b>	<b>10 033</b>	<b>19 282</b>	<b>428 678</b>	<b>925 405</b>	<b>1 336 333</b>	<b>2 256 822</b>	<b>79 619</b>
311	Food mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	27	11	1 333	49 191	1 043	2 164	35 177	114 634	71 467	179 231	3 417
336	Transportation equipment mfg .....	-	7	5	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	6	5	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg .....	-	4	4	i	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg .....	-	3	3	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MARION COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>1 194</b>	<b>437</b>	<b>66 571</b>	<b>2 898 583</b>	<b>46 673</b>	<b>97 138</b>	<b>1 800 650</b>	<b>11 970 555</b>	<b>8 013 181</b>	<b>19 561 285</b>	<b>600 562</b>
311	Food mfg .....	-	48	26	4 312	148 198	2 797	5 779	85 692	691 976	651 996	1 336 392	60 055
3112	Grain & oilseed milling ....	-	5	4	g	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	-	20	9	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	-	19	8	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	-	9	5	g	D	D	D	D	D	D	D	D
3119	Other food mfg .....	-	10	6	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg .....	7	10	7	1 252	46 123	390	907	12 277	337 999	391 037	725 850	15 469
3121	Beverage mfg .....	7	10	7	1 252	46 123	390	907	12 277	337 999	391 037	725 850	15 469
31211	Soft drink & ice mfg .....	7	7	7	1 239	45 898	381	900	12 147	336 853	390 006	723 720	D
312111	Soft drink mfg .....	7	4	4	g	D	D	D	D	D	D	D	D
321	Wood product mfg .....	3	20	8	571	13 344	478	816	8 943	31 147	39 867	72 629	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>MARION COUNTY, IN—Con.</b>												
	<b>Manufacturing—Con.</b>												
322	Paper mfg . . . . .	—	24	21	2 558	83 176	1 874	3 853	50 272	237 177	247 816	479 347	15 555
3222	Converted paper product mfg . . . . .	—	23	20	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg . . . . .	—	13	11	g	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg . . . . .	—	10	8	f	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities . . . . .	1	219	58	5 263	155 367	3 852	7 330	95 513	395 270	353 005	747 093	27 735
3231	Printing & related support activities . . . . .	1	219	58	5 263	155 367	3 852	7 330	95 513	395 270	353 005	747 093	27 735
32311	Printing . . . . .	—	183	40	4 175	122 629	3 013	5 713	75 655	331 723	334 133	664 531	D
323110	Commercial lithographic printing . . . . .	—	88	24	2 118	72 793	1 475	3 002	44 144	164 900	184 386	349 010	19 236
323113	Commercial screen printing . . . . .	—	16	2	f	D	D	D	D	D	D	D	D
32312	Support activities for printing . . . . .	2	36	18	1 088	32 738	839	1 617	19 858	63 547	18 872	82 562	D
323121	Tradebinding & related work . . . . .	3	13	8	f	D	D	D	D	D	D	D	D
323122	Prepress services . . . . .	2	23	10	f	D	D	D	D	D	D	D	D
325	Chemical mfg . . . . .	—	55	23	5 320	350 966	2 884	5 934	146 919	5 205 437	1 557 034	6 305 947	99 420
3251	Basic chemical mfg . . . . .	—	4	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg . . . . .	—	9	4	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg . . . . .	—	9	4	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg . . . . .	—	7	2	h	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg . . . . .	2	47	18	1 729	50 763	1 331	2 680	31 803	133 650	122 562	256 401	9 268
3261	Plastics product mfg . . . . .	1	32	16	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg . . . . .	—	18	10	956	23 738	749	1 469	14 768	63 987	60 706	124 491	5 672
326199	All other plastics product mfg . . . . .	—	16	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg . . . . .	1	46	16	1 318	41 031	909	1 883	23 116	95 754	103 171	200 421	D
3273	Cement & concrete product mfg . . . . .	1	24	10	756	24 674	525	1 093	14 864	64 755	64 922	129 222	3 430
331	Primary metal mfg . . . . .	—	16	12	3 408	189 451	2 776	6 412	151 643	359 429	288 196	650 999	51 604
3314	Nonferrous metal (except aluminum) production & processing . . . . .	—	3	2	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	10	7	2 069	138 859	1 766	4 156	117 215	241 554	112 627	352 334	D
33151	Ferrous metal foundries . . . . .	—	6	6	g	D	D	D	D	D	D	D	D
331511	Iron foundries . . . . .	—	4	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	—	266	106	9 939	334 023	7 540	15 376	214 203	856 375	546 348	1 443 704	57 640
3323	Architectural & structural metals mfg . . . . .	1	51	25	2 179	71 179	1 562	3 419	43 974	150 206	157 143	306 838	8 113
33232	Ornamental & architectural metal products mfg . . . . .	1	34	18	g	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg . . . . .	1	23	14	1 525	48 530	1 145	2 540	31 565	91 088	54 218	145 203	5 638
3325	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
33251	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
332510	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	1	104	32	2 233	75 744	1 747	3 535	50 796	145 024	77 993	223 599	10 418
33271	Machine shops . . . . .	1	89	25	1 430	48 418	1 084	2 181	31 613	91 579	48 661	139 993	6 020
332710	Machine shops . . . . .	1	89	25	1 430	48 418	1 084	2 181	31 613	91 579	48 661	139 993	6 020
33272	Turned product & screw, nut, & bolt mfg . . . . .	—	15	7	803	27 326	663	1 354	19 183	53 445	29 332	83 606	4 398
332721	Precision turned product mfg . . . . .	—	8	5	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>MARION COUNTY, IN—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3328	Coating, engraving, heat treating, & allied activities.	-	48	19	1 621	44 873	1 238	2 293	29 821	109 166	52 156	166 991	D
33281	Coating, engraving, heat treating, & allied activities.....	-	48	19	1 621	44 873	1 238	2 293	29 821	109 166	52 156	166 991	D
332812	Metal coating/engraving (exc jewelry/silverware)/allied services.....	-	15	5	f	D	D	D	D	D	D	D	D
332813	Electroplating, plating, polishing, anodizing, & coloring.....	1	22	9	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg.....	-	34	15	1 715	61 823	1 289	2 651	39 723	200 654	141 737	378 838	10 323
33299	All other fabricated metal product mfg.....	-	27	10	g	D	D	D	D	D	D	D	D
332991	Ball & roller bearing mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg.....	-	14	5	f	D	D	D	D	D	D	D	D
333	Machinery mfg.....	-	125	46	8 176	326 820	5 889	11 029	212 451	822 804	1 288 455	2 111 235	49 570
3332	Industrial machinery mfg ..	-	15	7	587	24 436	332	645	10 822	50 235	45 445	94 722	2 930
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	-	8	4	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	-	8	4	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/industrial refrig equip mfg.....	-	7	3	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg.....	1	45	9	928	36 308	549	1 170	17 041	53 656	53 503	105 779	3 433
33351	Metalworking machinery mfg.....	1	45	9	928	36 308	549	1 170	17 041	53 656	53 503	105 779	3 433
3336	Engine, turbine, & power transmission equipment mfg.....	-	11	4	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg.....	-	11	4	h	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg.....	-	4	2	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg.....	-	3	1	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg.....	1	37	18	1 649	64 277	1 023	2 239	32 109	131 097	162 704	296 328	6 425
33391	Pump & compressor mfg.....	-	7	5	534	27 067	227	386	9 089	40 558	63 173	110 200	D
33392	Material handling equipment mfg.....	3	14	8	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	1	45	19	1 932	55 774	1 140	2 286	25 865	146 588	97 052	243 492	D
3345	Navigational, measuring, medical, & control instruments mfg.....	1	14	7	702	23 442	329	696	8 632	74 533	35 554	110 758	D
33451	Navigational, measuring, medical, & control instruments mfg.....	1	14	7	702	23 442	329	696	8 632	74 533	35 554	110 758	D
336	Transportation equipment mfg.....	-	45	22	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	28	14	j	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg.....	-	6	3	f	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg.....	-	4	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg.....	-	4	3	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg.....	-	4	3	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg.....	-	3	2	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg.....	-	3	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MARION COUNTY, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33637	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg .....	-	5	5	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg .....	-	5	5	h	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg ....	-	4	4	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	44	13	1 455	43 779	1 096	2 187	26 864	96 636	70 360	166 716	2 937
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	24	4	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	13	2	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	1	16	8	f	D	D	D	D	D	D	D	870
33721	Office furniture (including fixtures) mfg .....	1	16	8	f	D	D	D	D	D	D	D	870
339	Miscellaneous mfg .....	1	115	27	2 517	68 422	1 751	3 335	40 115	198 791	134 918	340 221	5 840
3391	Medical equipment & supplies mfg .....	1	52	12	1 170	35 754	815	1 509	18 976	114 130	60 455	176 454	3 374
33911	Medical equipment & supplies mfg .....	1	52	12	1 170	35 754	815	1 509	18 976	114 130	60 455	176 454	3 374
3399	Other miscellaneous mfg ..	1	63	15	1 347	32 668	936	1 826	21 139	84 661	74 463	163 767	2 466
<b>MARSHALL COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>143</b>	<b>83</b>	<b>8 588</b>	<b>230 153</b>	<b>6 756</b>	<b>14 057</b>	<b>159 772</b>	<b>718 479</b>	<b>803 530</b>	<b>1 516 012</b>	<b>51 100</b>
321	Wood product mfg .....	2	13	7	645	14 882	493	1 047	9 594	44 188	81 987	126 070	3 115
3219	Other wood product mfg ...	2	10	7	630	14 602	480	1 027	9 381	43 514	80 888	124 292	3 051
322	Paper mfg .....	2	7	6	584	17 380	396	782	9 814	50 219	62 633	113 094	D
3222	Converted paper product mfg .....	2	7	6	584	17 380	396	782	9 814	50 219	62 633	113 094	D
326	Plastics & rubber products mfg .....	-	20	13	2 390	57 420	2 013	4 297	44 900	164 644	154 209	316 369	11 944
3261	Plastics product mfg .....	-	17	11	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	11	6	1 233	27 375	1 043	2 149	21 625	59 317	67 729	127 596	6 241
326191	Plastics plumbing fixture mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	-	9	4	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
326299	All other rubber product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	3	9	8	697	21 576	558	1 154	14 250	96 546	54 102	151 127	10 427
332	Fabricated metal product mfg .....	1	28	15	1 107	33 155	906	1 948	24 172	103 690	69 599	170 678	5 305
3329	Other fabricated metal product mfg .....	-	8	7	597	17 714	485	1 006	12 749	44 971	30 867	75 890	2 602
336	Transportation equipment mfg .....	2	17	12	1 734	43 397	1 349	2 672	30 376	97 231	154 554	253 838	7 460
3363	Motor vehicle parts mfg ...	-	10	9	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	3	3	581	14 639	423	796	8 067	31 965	53 644	87 010	3 320
336399	All other motor vehicle parts mfg .....	-	3	3	581	14 639	423	796	8 067	31 965	53 644	87 010	3 320
<b>MARTIN COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>9</b>	<b>4</b>	<b>575</b>	<b>17 691</b>	<b>502</b>	<b>1 067</b>	<b>13 791</b>	<b>57 922</b>	<b>75 993</b>	<b>133 371</b>	<b>4 228</b>

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MIAMI COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>50</b>	<b>21</b>	<b>2 491</b>	<b>64 038</b>	<b>1 793</b>	<b>3 427</b>	<b>42 911</b>	<b>228 533</b>	<b>156 694</b>	<b>385 887</b>	<b>6 754</b>
335	Electrical equipment, appliance, & component mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335313	Switchgear & switchboard apparatus mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MONROE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>122</b>	<b>39</b>	<b>8 817</b>	<b>302 554</b>	<b>7 410</b>	<b>13 988</b>	<b>221 803</b>	<b>1 094 026</b>	<b>1 417 232</b>	<b>2 444 226</b>	<b>44 419</b>
333	Machinery mfg .....	-	6	2	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	-	2	1	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
333921	Elevator & moving stairway mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	5	2	g	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	-	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance mfg ....	-	1	1	h	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	-	1	1	h	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	-	19	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg .....	-	9	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg .....	-	9	1	g	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg .....	-	3	1	g	D	D	D	D	D	D	D	D
<b>MONTGOMERY COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>67</b>	<b>29</b>	<b>7 634</b>	<b>264 073</b>	<b>5 828</b>	<b>11 773</b>	<b>181 766</b>	<b>890 593</b>	<b>993 498</b>	<b>1 878 669</b>	<b>84 179</b>
323	Printing & related support activities .....	-	13	6	h	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	-	13	6	h	D	D	D	D	D	D	D	D
32311	Printing .....	-	11	5	h	D	D	D	D	D	D	D	D
323117	Book printing .....	-	2	2	g	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	1	17	6	600	21 792	448	973	14 076	46 395	55 782	101 709	1 930
335	Electrical equipment, appliance, & component mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	4	3	1 368	50 175	1 023	2 051	31 875	114 198	103 667	219 239	D
3363	Motor vehicle parts mfg ...	-	3	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts 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 <sup>1</sup>	Total	With 20 employees or more	Number <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MORGAN COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>7</b>	<b>65</b>	<b>20</b>	<b>2 869</b>	<b>78 670</b>	<b>2 109</b>	<b>4 253</b>	<b>46 617</b>	<b>252 060</b>	<b>219 779</b>	<b>472 305</b>	<b>14 113</b>
334	Computer & electronic product mfg.....	9	2	2	g	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg.....	9	1	1	g	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg.....	9	1	1	g	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg.....	9	1	1	g	D	D	D	D	D	D	D	D
<b>NEWTON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>29</b>	<b>11</b>	<b>1 474</b>	<b>34 428</b>	<b>1 235</b>	<b>2 311</b>	<b>24 471</b>	<b>88 864</b>	<b>87 823</b>	<b>176 521</b>	<b>6 986</b>
<b>NOBLE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>143</b>	<b>80</b>	<b>10 818</b>	<b>309 186</b>	<b>8 831</b>	<b>17 730</b>	<b>221 290</b>	<b>874 280</b>	<b>941 949</b>	<b>1 821 730</b>	<b>67 808</b>
311	Food mfg.....	-	8	2	f	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	-	14	5	671	14 271	520	931	10 208	32 240	26 750	60 971	4 459
3231	Printing & related support activities.....	-	14	5	671	14 271	520	931	10 208	32 240	26 750	60 971	4 459
326	Plastics & rubber products mfg.....	-	14	13	1 898	54 708	1 639	3 446	41 661	155 369	83 061	239 013	11 575
3261	Plastics product mfg.....	-	10	9	g	D	D	D	D	D	D	D	9 849
32619	Other plastics product mfg.....	-	8	7	948	28 877	793	1 672	21 276	88 766	40 893	130 507	D
326199	All other plastics product mfg.....	-	8	7	948	28 877	793	1 672	21 276	88 766	40 893	130 507	D
331	Primary metal mfg.....	-	6	5	804	19 252	665	1 415	14 327	49 799	54 624	104 491	3 539
3315	Foundries.....	-	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	32	17	1 316	37 423	1 098	2 276	27 981	82 709	89 965	170 434	7 705
333	Machinery mfg.....	-	20	6	587	21 521	388	757	12 332	48 575	41 469	93 144	2 771
335	Electrical equipment, appliance, & component mfg.....	2	9	9	829	18 138	686	1 320	13 610	58 374	47 935	106 477	2 466
3359	Other electrical equipment & component mfg.....	4	8	8	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	11	10	2 686	88 224	2 187	4 338	59 796	197 634	348 740	550 971	25 182
3363	Motor vehicle parts mfg ...	-	10	10	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
<b>ORANGE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>34</b>	<b>16</b>	<b>2 478</b>	<b>55 276</b>	<b>2 114</b>	<b>4 652</b>	<b>43 040</b>	<b>137 751</b>	<b>158 469</b>	<b>296 406</b>	<b>8 368</b>
337	Furniture & related product mfg.....	-	8	5	1 316	27 673	1 127	2 569	20 797	66 774	68 579	135 286	5 571
3372	Office furniture (including fixtures) mfg.....	-	5	4	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) mfg.....	-	5	4	f	D	D	D	D	D	D	D	D
337211	Wood office furniture mfg.....	-	3	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>OWEN COUNTY, IN</b>													
31-33	Manufacturing ....	-	24	6	1 242	31 507	870	1 748	18 115	52 928	55 342	109 179	6 962
339	Miscellaneous mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
<b>PARKE COUNTY, IN</b>													
31-33	Manufacturing ....	1	17	7	641	13 684	525	1 021	9 420	41 701	49 546	92 077	4 358
<b>PERRY COUNTY, IN</b>													
31-33	Manufacturing ....	1	27	11	1 211	33 593	1 069	1 982	28 000	77 543	64 654	141 121	3 752
<b>PORTER COUNTY, IN</b>													
31-33	Manufacturing ....	-	146	52	12 353	624 467	9 171	19 938	462 329	1 713 887	2 639 217	4 353 625	276 927
331	Primary metal mfg.....	-	8	6	i	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg.....	-	4	4	7 746	454 041	5 789	13 203	350 780	1 115 709	2 098 520	3 219 594	D
33111	Iron & steel mills & ferroalloy mfg.....	-	4	4	7 746	454 041	5 789	13 203	350 780	1 115 709	2 098 520	3 219 594	D
331111	Iron & steel mills.....	-	4	4	7 746	454 041	5 789	13 203	350 780	1 115 709	2 098 520	3 219 594	D
332	Fabricated metal product mfg.....	-	31	13	1 512	61 125	1 127	2 268	41 382	203 238	152 453	355 481	15 508
3329	Other fabricated metal product mfg.....	-	3	3	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	-	3	3	f	D	D	D	D	D	D	D	D
<b>POSEY COUNTY, IN</b>													
31-33	Manufacturing ....	-	31	15	h	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	5	3	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg.....	-	2	1	g	D	D	D	D	D	D	D	D
32521	Resin & synthetic rubber mfg.....	-	2	1	g	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
<b>PULASKI COUNTY, IN</b>													
31-33	Manufacturing ....	-	20	11	1 353	41 096	1 079	2 078	25 920	78 950	135 304	218 088	9 209
<b>PUTNAM COUNTY, IN</b>													
31-33	Manufacturing ....	-	25	11	2 482	64 772	2 017	3 984	45 813	187 407	236 105	421 660	23 243
326	Plastics & rubber products mfg.....	-	3	3	1 224	28 168	1 007	1 879	19 967	80 749	133 907	214 616	D
3261	Plastics product mfg.....	-	3	3	1 224	28 168	1 007	1 879	19 967	80 749	133 907	214 616	D
32619	Other plastics product mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg....	-	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping.....	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping.....	-	2	2	f	D	D	D	D	D	D	D	D
<b>RANDOLPH COUNTY, IN</b>													
31-33	Manufacturing ....	1	54	23	3 080	86 485	2 264	4 354	62 841	194 791	163 644	360 983	8 353
336	Transportation equipment mfg.....	-	4	3	722	21 765	564	1 182	18 090	37 843	47 907	85 378	659



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>RIPLEY COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>35</b>	<b>10</b>	<b>3 168</b>	<b>109 874</b>	<b>2 071</b>	<b>4 287</b>	<b>59 388</b>	<b>567 523</b>	<b>183 469</b>	<b>755 221</b>	<b>D</b>
339	Miscellaneous mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg..	-	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
339995	Burial casket mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
<b>RUSH COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>32</b>	<b>12</b>	<b>1 081</b>	<b>32 370</b>	<b>786</b>	<b>1 701</b>	<b>19 888</b>	<b>188 925</b>	<b>100 127</b>	<b>289 079</b>	<b>5 846</b>
<b>ST. JOSEPH COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>457</b>	<b>179</b>	<b>20 435</b>	<b>698 851</b>	<b>14 401</b>	<b>28 757</b>	<b>410 912</b>	<b>1 998 879</b>	<b>2 139 281</b>	<b>4 149 716</b>	<b>146 884</b>
311	Food mfg.....	-	22	9	654	16 144	450	902	10 641	50 654	100 310	150 147	2 368
322	Paper mfg.....	3	9	6	527	16 313	401	745	10 501	39 565	71 163	110 967	2 064
3222	Converted paper product mfg.....	3	9	6	527	16 313	401	745	10 501	39 565	71 163	110 967	2 064
32221	Paperboard container mfg.....	3	6	6	507	15 738	384	711	10 068	38 560	69 817	108 468	D
323	Printing & related support activities.....	1	39	10	633	20 634	439	872	12 719	39 599	22 795	61 626	2 172
3231	Printing & related support activities.....	1	39	10	633	20 634	439	872	12 719	39 599	22 795	61 626	2 172
32311	Printing.....	1	36	10	611	20 070	425	842	12 294	38 740	22 316	60 280	2 114
326	Plastics & rubber products mfg.....	-	45	27	3 138	82 437	2 557	5 280	54 442	202 304	199 423	401 822	21 136
3261	Plastics product mfg.....	-	37	25	2 803	74 515	2 258	4 667	47 943	182 561	187 129	370 182	19 522
32619	Other plastics product mfg.....	-	32	23	2 745	72 853	2 211	4 590	47 128	179 417	183 242	362 801	19 245
326199	All other plastics product mfg.....	-	31	22	h	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	-	11	8	1 731	53 649	1 445	2 988	39 747	118 795	162 417	276 637	4 722
3313	Alumina & aluminum production & processing..	-	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
33131	Alumina & aluminum production & processing.....	-	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
331316	Aluminum extruded product mfg.....	-	3	3	503	13 166	437	935	9 302	33 802	70 392	102 696	D
3315	Foundries.....	-	5	3	887	28 886	737	1 503	22 076	60 382	42 535	102 426	2 464
33151	Ferrous metal foundries..	-	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries.....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	114	50	4 219	153 437	3 185	6 607	102 867	545 751	678 862	1 216 788	28 541
3323	Architectural & structural metals mfg.....	2	22	11	508	14 756	370	728	9 140	28 382	22 631	50 786	1 258
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	1	51	14	915	29 375	725	1 408	20 616	51 422	19 587	70 666	4 321
33271	Machine shops.....	1	40	10	619	19 959	468	903	13 455	34 002	13 532	47 165	3 453
332710	Machine shops.....	1	40	10	619	19 959	468	903	13 455	34 002	13 532	47 165	3 453
3328	Coating, engraving, heat treating, & allied activities..	-	12	9	1 264	64 544	857	1 930	42 218	352 840	551 505	897 985	16 120
33281	Coating, engraving, heat treating, & allied activities.....	-	12	9	1 264	64 544	857	1 930	42 218	352 840	551 505	897 985	16 120
332811	Metal heat treating....	-	5	3	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg.....	2	14	6	665	20 213	531	1 111	14 246	36 802	30 764	67 721	1 854
333	Machinery mfg.....	1	59	16	1 378	55 942	862	1 804	30 429	95 608	59 396	159 025	5 834
3335	Metalworking machinery mfg.....	1	39	9	802	35 789	559	1 207	22 294	60 284	27 989	95 190	3 619
33351	Metalworking machinery mfg.....	1	39	9	802	35 789	559	1 207	22 294	60 284	27 989	95 190	3 619

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>ST. JOSEPH COUNTY, IN—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
334	Computer & electronic product mfg.....	5	12	7	916	19 806	541	1 130	8 079	43 692	25 964	70 882	D
3344	Semiconductor & other electronic component mfg.....	9	4	3	655	9 875	449	955	4 965	18 070	15 698	34 858	D
33441	Semiconductor & other electronic component mfg.....	9	4	3	655	9 875	449	955	4 965	18 070	15 698	34 858	D
334419	Other electronic component mfg.....	9	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	—	13	6	855	29 400	623	1 097	17 642	83 768	74 055	154 389	4 163
3359	Other electrical equipment & component mfg.....	—	9	4	712	25 528	530	917	15 837	72 973	60 515	129 935	3 568
336	Transportation equipment mfg.....	—	27	15	3 943	168 530	2 348	4 311	82 757	540 796	406 921	970 330	34 606
3361	Motor vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
336112	Light truck & utility vehicle mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg....	1	14	7	1 203	31 442	897	1 852	20 612	84 233	57 493	140 272	D
3364	Aerospace product & parts mfg.....	—	5	3	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg.....	—	5	3	g	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg.....	—	4	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	8	37	4	806	32 611	424	815	12 457	86 933	37 191	124 734	8 063
3391	Medical equipment & supplies mfg.....	9	19	2	595	25 968	293	574	9 572	71 860	30 682	102 803	D
33911	Medical equipment & supplies mfg.....	9	19	2	595	25 968	293	574	9 572	71 860	30 682	102 803	D
	<b>SCOTT COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>34</b>	<b>18</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>28 617</b>
326	Plastics & rubber products mfg.....	1	6	6	g	D	D	D	D	D	D	D	6 967
3261	Plastics product mfg.....	1	5	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	1	3	3	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	1	3	3	f	D	D	D	D	D	D	D	D
	<b>SHELBY COUNTY, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>86</b>	<b>42</b>	<b>6 656</b>	<b>218 467</b>	<b>5 151</b>	<b>10 690</b>	<b>149 499</b>	<b>509 731</b>	<b>679 555</b>	<b>1 188 825</b>	<b>99 237</b>
326	Plastics & rubber products mfg.....	—	11	8	2 070	58 481	1 550	3 020	37 880	104 186	106 913	208 910	D
3261	Plastics product mfg.....	—	7	6	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	1	5	5	g	D	D	D	D	D	D	D	9 370
326199	All other plastics product mfg.....	1	5	5	g	D	D	D	D	D	D	D	9 370
327	Nonmetallic mineral product mfg.....	—	7	4	1 471	59 416	1 150	2 560	42 299	134 225	111 080	250 294	15 086
3272	Glass & glass product mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass.....	—	1	1	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product mfg.....	—	2	1	f	D	D	D	D	D	D	D	D
327993	Mineral wool mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	—	19	7	699	19 848	600	1 174	15 032	45 421	47 083	92 837	2 723
336	Transportation equipment mfg.....	—	4	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>SPENCER COUNTY, IN</b>													
31-33	Manufacturing ....	-	19	9	1 369	36 337	1 106	2 329	26 922	73 034	59 315	133 973	6 046
<b>STARKE COUNTY, IN</b>													
31-33	Manufacturing ....	-	19	11	1 357	29 746	1 082	2 051	19 255	72 309	71 343	143 319	5 628
<b>STEBEN COUNTY, IN</b>													
31-33	Manufacturing ....	1	110	64	6 774	189 013	5 457	11 458	138 219	517 571	531 349	1 056 528	38 446
326	Plastics & rubber products mfg .....	-	10	8	688	16 055	567	1 151	10 404	26 623	25 914	52 357	2 612
3261	Plastics product mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	6	5	525	10 106	436	935	6 526	19 639	20 438	39 958	1 718
326199	All other plastics product mfg .....	-	6	5	525	10 106	436	935	6 526	19 639	20 438	39 958	1 718
332	Fabricated metal product mfg .....	-	30	14	1 247	37 390	1 008	2 042	27 569	88 872	66 721	155 478	8 078
336	Transportation equipment mfg .....	1	16	13	2 330	68 365	1 876	4 213	51 638	208 954	248 589	460 980	16 783
3363	Motor vehicle parts mfg ...	1	12	12	g	D	D	D	D	D	D	D	16 700
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	4	4	833	22 820	710	1 519	17 712	62 338	62 843	125 550	9 617
336312	Gasoline engine & engine parts mfg .....	-	4	4	833	22 820	710	1 519	17 712	62 338	62 843	125 550	9 617
33639	Other motor vehicle parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>SULLIVAN COUNTY, IN</b>													
31-33	Manufacturing ....	-	18	7	579	14 280	473	940	9 581	31 823	41 579	72 966	3 641
<b>SWITZERLAND COUNTY, IN</b>													
31-33	Manufacturing ....	2	6	3	619	10 684	567	1 034	9 361	29 019	29 896	58 666	1 072
<b>TIPPECANOE COUNTY, IN</b>													
31-33	Manufacturing ....	-	113	52	16 695	692 218	12 922	27 800	443 874	2 585 766	4 975 315	7 519 035	388 780
311	Food mfg .....	-	10	6	f	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling ....	-	3	3	f	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
325	Chemical mfg .....	-	8	4	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing ..	-	1	1	g	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing .....	-	1	1	g	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	1	23	8	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	-	7	3	h	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
333612	Speed changer, industrial high-speed drive, & gear mfg ....	-	1	1	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg .....	-	1	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
<b>TIPPECANOE COUNTY, IN—Con.</b>														
<b>31-33</b>	<b>Manufacturing—Con.</b>													
334	Computer & electronic product mfg.....	4	11	6	g	D	D	D	D	D	D	D	D	
3345	Navigational, measuring, medical, & control instruments mfg.....	7	7	4	f	D	D	D	D	D	D	D	D	
33451	Navigational, measuring, medical, & control instruments mfg.....	7	7	4	f	D	D	D	D	D	D	D	D	
334515	Electricity measuring & testing instrument mfg.....	9	3	2	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg.....	—	7	5	i	D	D	D	D	D	D	D	D	
3361	Motor vehicle mfg.....	—	2	2	h	D	D	D	D	D	D	D	D	
33611	Automobile & light duty motor vehicle mfg.....	—	2	2	h	D	D	D	D	D	D	D	D	
336111	Automobile mfg.....	—	2	2	h	D	D	D	D	D	D	D	D	
3362	Motor vehicle body & trailer mfg.....	—	1	1	h	D	D	D	D	D	D	D	D	
33621	Motor vehicle body & trailer mfg.....	—	1	1	h	D	D	D	D	D	D	D	D	
336212	Truck trailer mfg.....	—	1	1	h	D	D	D	D	D	D	D	D	
337	Furniture & related product mfg.....	—	3	1	f	D	D	D	D	D	D	D	D	
3379	Other furniture related product mfg.....	—	2	1	f	D	D	D	D	D	D	D	D	
33792	Blind & shade mfg.....	—	2	1	f	D	D	D	D	D	D	D	D	
337920	Blind & shade mfg.....	—	2	1	f	D	D	D	D	D	D	D	D	
<b>TIPTON COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>22</b>	<b>7</b>		<b>954</b>	<b>30 499</b>	<b>753</b>	<b>1 550</b>	<b>20 957</b>	<b>85 003</b>	<b>116 955</b>	<b>199 287</b>	<b>D</b>
<b>VANDERBURGH COUNTY, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>271</b>	<b>104</b>		<b>17 536</b>	<b>607 718</b>	<b>11 415</b>	<b>22 582</b>	<b>330 522</b>	<b>2 317 378</b>	<b>1 464 847</b>	<b>3 824 568</b>	<b>125 995</b>
311	Food mfg.....	—	16	8	h	D	D	D	D	D	D	D	D	31 066
3115	Dairy product mfg.....	—	3	2	g	D	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg.....	—	3	2	g	D	D	D	D	D	D	D	D	D
311514	Dry, condensed, & evaporated dairy product mfg.....	—	2	1	g	D	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	6	4	2	f	D	D	D	D	D	D	D	D	D
314	Textile product mills.....	—	2	1	f	D	D	D	D	D	D	D	D	D
3149	Other textile product mills..	—	1	1	f	D	D	D	D	D	D	D	D	D
31491	Textile bag & canvas mills.....	—	1	1	f	D	D	D	D	D	D	D	D	D
314912	Canvas & related product mills.....	—	1	1	f	D	D	D	D	D	D	D	D	D
322	Paper mfg.....	—	5	3	f	D	D	D	D	D	D	D	D	D
3222	Converted paper product mfg.....	—	5	3	f	D	D	D	D	D	D	D	D	D
32221	Paperboard container mfg.....	—	3	3	f	D	D	D	D	D	D	D	D	5 080
323	Printing & related support activities.....	6	32	7	f	D	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	6	32	7	f	D	D	D	D	D	D	D	D	D
32311	Printing.....	6	28	7	f	D	D	D	D	D	D	D	D	D
325	Chemical mfg.....	—	17	9	g	D	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	—	2	2	f	D	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	—	2	2	f	D	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg.....	—	6	4	f	D	D	D	D	D	D	D	D	D
3259	Other chemical product mfg.....	—	4	2	f	D	D	D	D	D	D	D	D	D
32599	All other chemical product & preparation mfg.....	—	4	2	f	D	D	D	D	D	D	D	D	D
325991	Custom compounding of purchased resin...	—	4	2	f	D	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>VANDERBURGH COUNTY, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
326	Plastics & rubber products mfg .....	-	28	16	h	D	D	D	D	D	D	D	17 323
3261	Plastics product mfg .....	-	26	16	h	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	19	11	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	-	19	11	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	-	9	4	681	27 969	534	1 161	20 798	80 228	83 102	163 350	D
332	Fabricated metal product mfg .....	1	50	17	g	D	D	D	D	D	D	D	D
333	Machinery mfg .....	1	35	14	1 083	41 297	752	1 527	26 484	71 659	64 784	144 205	5 462
335	Electrical equipment, appliance, & component mfg .....	-	6	5	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	1	25	4	531	14 695	357	685	7 380	48 658	33 102	82 416	811
<b>VERMILLION COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>10</b>	<b>4</b>	<b>g</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
325	Chemical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>VIGO COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>137</b>	<b>55</b>	<b>7 464</b>	<b>255 164</b>	<b>5 627</b>	<b>11 506</b>	<b>172 240</b>	<b>989 250</b>	<b>897 924</b>	<b>1 891 780</b>	<b>D</b>
322	Paper mfg .....	-	6	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	17	8	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	2	17	8	f	D	D	D	D	D	D	D	D
325	Chemical mfg .....	-	14	7	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	8	6	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	6	6	g	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	4	4	1 522	55 973	1 215	2 573	41 309	198 755	168 733	373 612	D
326111	Unsupported plastics bag mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	1	23	6	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media .	-	1	1	g	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media .....	-	1	1	g	D	D	D	D	D	D	D	D
334613	Magnetic & optical recording media mfg .	-	1	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>WABASH COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>77</b>	<b>39</b>	<b>5 300</b>	<b>156 343</b>	<b>4 254</b>	<b>8 290</b>	<b>106 445</b>	<b>353 999</b>	<b>462 411</b>	<b>812 840</b>	<b>25 232</b>
331	Primary metal mfg . . . . .	-	5	4	845	31 126	662	1 556	20 430	95 218	172 866	269 283	3 755
332	Fabricated metal product mfg . . . . .	-	10	6	1 035	36 175	805	1 681	25 060	80 385	46 396	125 418	1 480
3329	Other fabricated metal product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
33291	Metal valve mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
332911	Industrial valve mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	-	16	8	551	18 175	388	768	9 222	40 729	21 709	62 485	1 900
334	Computer & electronic product mfg . . . . .	-	3	3	503	12 070	426	805	8 758	30 870	20 254	51 044	D
<b>WARRICK COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>53</b>	<b>11</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
331	Primary metal mfg . . . . .	-	3	3	g	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing . . . . .	-	3	3	g	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing . . . . .	-	3	3	g	D	D	D	D	D	D	D	D
331312	Primary aluminum production . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
<b>WASHINGTON COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>40</b>	<b>14</b>	<b>2 824</b>	<b>66 863</b>	<b>2 450</b>	<b>4 776</b>	<b>53 829</b>	<b>164 686</b>	<b>135 901</b>	<b>298 746</b>	<b>9 303</b>
332	Fabricated metal product mfg . . . . .	-	6	3	561	18 241	443	1 002	15 350	52 095	20 678	73 008	D
3321	Forging & stamping . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
33211	Forging & stamping . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
332117	Powder metallurgy part mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn & garden tractor & home lawn & garden equipment mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg . . . . .	-	9	2	1 007	23 978	926	1 858	18 944	44 457	40 441	84 316	1 080
3371	Household & institutional furniture & kitchen cabinet mfg . . . . .	-	6	1	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg . . . . .	-	3	1	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg . . . . .	-	3	1	f	D	D	D	D	D	D	D	D
<b>WAYNE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	1	<b>132</b>	<b>74</b>	<b>8 940</b>	<b>270 038</b>	<b>7 107</b>	<b>14 504</b>	<b>184 993</b>	<b>715 283</b>	<b>885 077</b>	<b>1 598 654</b>	<b>75 807</b>
311	Food mfg . . . . .	-	10	7	661	22 131	503	1 068	15 038	142 677	152 915	288 731	14 973
326	Plastics & rubber products mfg . . . . .	-	10	7	1 105	27 935	951	2 039	23 051	76 971	127 234	205 307	8 369
3261	Plastics product mfg . . . . .	-	8	6	g	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	-	7	6	897	31 137	743	1 706	24 187	65 752	60 405	127 912	12 442
3315	Foundries . . . . .	-	6	5	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries . . . . .	-	4	4	f	D	D	D	D	D	D	D	D
331511	Iron foundries . . . . .	-	4	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	-	20	10	1 052	37 784	830	1 518	23 073	64 461	88 836	159 262	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
	<b>WAYNE COUNTY, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>													
334	Computer & electronic product mfg.....	4	5	2	f	D	D	D	D	D	D	D	D	
3346	Mfg & reproducing magnetic & optical media ..	3	2	2	f	D	D	D	D	D	D	D	D	
33461	Mfg & reproducing magnetic & optical media ..	3	2	2	f	D	D	D	D	D	D	D	D	
334612	Prerecorded CD (except software), tape, & record reproducing ..	—	1	1	f	D	D	D	D	D	D	D	D	
335	Electrical equipment, appliance, & component mfg ..	—	2	2	f	D	D	D	D	D	D	D	D	
3359	Other electrical equipment & component mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	
33592	Communication & energy wire & cable mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	
335929	Other communication & energy wire mfg ...	—	1	1	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg ..	6	7	5		804	23 080	674	1 319	14 685	43 814	67 452	113 304	4 376
337	Furniture & related product mfg ..	—	4	3		644	15 777	504	1 046	9 985	44 571	31 473	76 470	706
339	Miscellaneous mfg ..	1	20	12		663	17 438	472	1 010	11 854	48 949	44 990	93 690	2 782
3399	Other miscellaneous mfg ..	1	16	12	f	D	D	D	D	D	D	D	D	2 748
33999	All other miscellaneous mfg ..	1	11	10		568	15 346	401	877	10 567	42 958	41 770	84 659	2 363
339995	Burial casket mfg ..	1	11	10		568	15 346	401	877	10 567	42 958	41 770	84 659	2 363
	<b>WELLS COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>49</b>	<b>28</b>		<b>3 615</b>	<b>106 242</b>	<b>2 475</b>	<b>5 417</b>	<b>62 344</b>	<b>245 136</b>	<b>247 281</b>	<b>490 162</b>	<b>50 220</b>
311	Food mfg ..	—	4	4		532	8 457	275	490	5 879	59 575	37 934	97 919	D
326	Plastics & rubber products mfg ..	—	5	5	f	D	D	D	D	D	D	D	D	D
3262	Rubber product mfg ..	—	3	3		505	9 364	340	698	6 578	18 217	27 595	44 574	D
32629	Other rubber product mfg ..	—	3	3		505	9 364	340	698	6 578	18 217	27 595	44 574	D
326291	Rubber product mfg for mechanical use ..	—	3	3		505	9 364	340	698	6 578	18 217	27 595	44 574	D
332	Fabricated metal product mfg ..	—	8	4		594	17 161	405	1 249	10 613	33 639	30 089	63 465	1 580
335	Electrical equipment, appliance, & component mfg ..	—	2	2	f	D	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	D
335312	Motor & generator mfg ..	—	1	1	f	D	D	D	D	D	D	D	D	D
	<b>WHITE COUNTY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>56</b>	<b>21</b>		<b>3 402</b>	<b>90 568</b>	<b>2 817</b>	<b>5 416</b>	<b>66 905</b>	<b>229 187</b>	<b>411 164</b>	<b>637 984</b>	<b>21 221</b>
332	Fabricated metal product mfg ..	—	15	6		855	28 280	636	1 283	19 659	108 459	163 253	268 579	7 912
336	Transportation equipment mfg ..	—	2	1	g	D	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg ..	—	2	1	g	D	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg ..	—	2	1	g	D	D	D	D	D	D	D	D	D
336212	Truck trailer mfg ..	—	2	1	g	D	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>WHITLEY COUNTY, IN</b>													
31-33	Manufacturing . . . .	-	66	31	4 327	117 302	3 642	7 344	86 428	317 517	595 415	908 823	18 907
331	Primary metal mfg . . . . .	-	5	4	586	22 157	498	1 081	15 603	63 670	299 769	362 924	D
332	Fabricated metal product mfg . . . . .	-	21	6	659	21 061	507	983	14 102	45 478	20 611	65 497	4 933
336	Transportation equipment mfg . . . . .	-	4	4	g	D	D	D	D	D	D	D	6 169
3363	Motor vehicle parts mfg . . .	-	4	4	g	D	D	D	D	D	D	D	6 169
33633	Motor vehicle steering & suspension component (except spring) mfg . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D

<sup>1</sup>Some 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.

<sup>2</sup>Industries 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>ANDERSON, IN</b>													
31-33	Manufacturing . . . .	-	59	20	8 999	455 951	7 458	14 164	370 680	717 721	1 054 828	1 769 133	68 643
336	Transportation equipment mfg . . . . .	-	4	4	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . .	-	4	4	i	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg . . . . .	-	4	4	i	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg . . . . .	-	1	1	h	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg . . . . .	-	3	3	h	D	D	D	D	D	D	D	D
<b>ANGOLA, IN</b>													
31-33	Manufacturing . . . .	3	52	30	2 936	82 303	2 359	4 772	59 053	230 667	214 951	450 950	20 642
332	Fabricated metal product mfg . . . . .	-	16	8	807	24 081	636	1 287	17 612	57 484	27 512	85 095	5 405
336	Transportation equipment mfg . . . . .	3	7	6	906	25 075	754	1 577	18 354	75 731	86 950	163 811	9 415
3363	Motor vehicle parts mfg . . .	3	6	6	f	D	D	D	D	D	D	D	D
<b>ATTICA, IN</b>													
31-33	Manufacturing . . . .	-	7	4	1 151	36 265	948	1 963	25 536	77 161	55 907	133 881	D
331	Primary metal mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment) . . . . .	-	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 <sup>1</sup>	Total	With 20 employees or more	Number <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>AUBURN, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>1</b>	<b>35</b>	<b>19</b>	<b>5 106</b>	<b>190 085</b>	<b>3 735</b>	<b>8 016</b>	<b>125 482</b>	<b>458 974</b>	<b>444 312</b>	<b>895 163</b>	<b>40 515</b>
326	Plastics & rubber products mfg . . . . .	3	3	3	1 424	51 422	917	1 671	25 527	115 710	111 358	220 920	9 765
3261	Plastics product mfg . . . . .	5	2	2	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
331	Primary metal mfg . . . . .	—	4	4	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	4	4	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	—	5	4	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . . . .	—	5	4	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
<b>AURORA, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>—</b>	<b>8</b>	<b>4</b>	<b>921</b>	<b>33 012</b>	<b>539</b>	<b>954</b>	<b>14 620</b>	<b>82 853</b>	<b>54 113</b>	<b>134 158</b>	<b>D</b>
339	Miscellaneous mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
339995	Burial casket mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
<b>BATESVILLE, IN *</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>—</b>	<b>10</b>	<b>5</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
339	Miscellaneous mfg . . . . .	—	3	2	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg . . . . .	—	2	1	f	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
339995	Burial casket mfg . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
<b>BEDFORD, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>—</b>	<b>39</b>	<b>17</b>	<b>3 327</b>	<b>147 860</b>	<b>2 854</b>	<b>6 191</b>	<b>120 610</b>	<b>311 883</b>	<b>491 862</b>	<b>805 705</b>	<b>28 295</b>
331	Primary metal mfg . . . . .	—	2	2	g	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
331521	Aluminum die-casting foundries . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg . . . . .	—	1	1	g	D	D	D	D	D	D	D	D
<b>BEECH GROVE, IN *</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>—</b>	<b>48</b>	<b>21</b>	<b>1 891</b>	<b>62 396</b>	<b>1 262</b>	<b>2 528</b>	<b>33 301</b>	<b>158 314</b>	<b>177 456</b>	<b>339 054</b>	<b>14 736</b>

**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 <sup>1</sup>	Total	With 20 employees or more	Number <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>BERNE, IN</b>													
31-33	Manufacturing ....	1	16	11	g	D	D	D	D	D	D	D	10 108
326	Plastics & rubber products mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	1	1	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
<b>BLOOMINGTON, IN</b>													
31-33	Manufacturing ....	-	61	17	5 013	159 412	4 577	8 428	136 699	641 806	1 177 032	1 751 290	21 740
334	Computer & electronic product mfg .....	-	3	1	f	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	-	1	1	h	D	D	D	D	D	D	D	D
33522	Major appliance mfg ....	-	1	1	h	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg ..	-	1	1	h	D	D	D	D	D	D	D	D
<b>BLUFFTON, IN</b>													
31-33	Manufacturing ....	-	24	16	2 283	67 390	1 545	3 085	36 989	164 865	129 634	293 738	33 572
311	Food mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335312	Motor & generator mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BRAZIL, IN</b>													
31-33	Manufacturing ....	1	20	9	552	15 066	423	651	9 833	38 544	32 058	70 842	3 526
<b>BREMEN, IN</b>													
31-33	Manufacturing ....	1	36	25	2 545	67 440	2 066	4 137	47 520	198 991	216 490	409 068	10 825
326	Plastics & rubber products mfg .....	-	10	7	1 074	26 147	934	2 013	21 431	70 676	69 625	136 886	3 404
3262	Rubber product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
326299	All other rubber product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>BUTLER, IN</b>													
31-33	Manufacturing ....	-	10	7	1 037	28 612	889	1 763	21 312	102 263	131 110	232 748	3 669
332	Fabricated metal product mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
<b>CARMEL, IN</b>													
31-33	Manufacturing ....	3	53	15	1 304	44 216	845	1 609	22 265	77 728	99 469	177 821	5 257
<b>CHARLESTOWN, IN</b>													
31-33	Manufacturing ....	1	16	5	f	D	D	D	D	D	D	D	7 775

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>CHESTERTON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>14</b>	<b>6</b>	<b>i</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
331	Primary metal mfg .....	-	1	1	i	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg .....	-	1	1	i	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg .....	-	1	1	i	D	D	D	D	D	D	D	D
331111	Iron & steel mills .....	-	1	1	i	D	D	D	D	D	D	D	D
<b>CLARKSVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>7</b>	<b>26</b>	<b>7</b>	<b>1 297</b>	<b>51 983</b>	<b>1 005</b>	<b>2 141</b>	<b>38 405</b>	<b>149 981</b>	<b>107 357</b>	<b>248 991</b>	<b>10 222</b>
325	Chemical mfg .....	9	1	1	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	9	1	1	f	D	D	D	D	D	D	D	D
32561	Soap & cleaning compound mfg .....	9	1	1	f	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg .....	9	1	1	f	D	D	D	D	D	D	D	D
<b>CLINTON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>3</b>	<b>1</b>	<b>g</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
325	Chemical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>COLUMBIA CITY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>25</b>	<b>12</b>	<b>1 658</b>	<b>47 042</b>	<b>1 405</b>	<b>2 753</b>	<b>37 210</b>	<b>102 402</b>	<b>105 902</b>	<b>209 283</b>	<b>3 691</b>
<b>COLUMBUS, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>96</b>	<b>50</b>	<b>11 647</b>	<b>366 248</b>	<b>8 854</b>	<b>18 448</b>	<b>252 151</b>	<b>1 055 077</b>	<b>1 212 648</b>	<b>2 273 142</b>	<b>114 152</b>
311	Food mfg .....	-	4	4	1 281	36 177	454	1 021	11 514	107 744	75 736	183 598	3 145
3118	Bakeries & tortilla mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	1	1	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	6	4	594	14 365	516	987	10 833	28 566	26 729	55 716	3 763
3261	Plastics product mfg .....	-	6	4	594	14 365	516	987	10 833	28 566	26 729	55 716	3 763
32619	Other plastics product mfg .....	-	4	4	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	-	4	4	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	-	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	23	12	880	27 843	664	1 476	17 854	63 217	37 140	98 540	19 584
333	Machinery mfg .....	-	20	8	h	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg .....	-	7	5	g	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg .....	-	7	5	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	5	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	1	9	8	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	1	9	8	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	5	5	1 506	37 889	1 333	2 615	30 533	116 631	128 836	244 124	D
336399	All other motor vehicle parts mfg .....	-	5	5	1 506	37 889	1 333	2 615	30 533	116 631	128 836	244 124	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>COLUMBUS, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
337	Furniture & related product mfg .....	-	7	1	g	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	7	1	g	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	5	1	g	D	D	D	D	D	D	D	D
337124	Metal household furniture mfg .....	-	2	1	g	D	D	D	D	D	D	D	D
<b>CONNERSVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>32</b>	<b>16</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
333	Machinery mfg .....	-	10	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	4	3	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	4	3	h	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
<b>CORYDON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>5</b>	<b>3</b>	<b>g</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
311	Food mfg .....	-	1	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
<b>CRAWFORDSVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>37</b>	<b>25</b>	<b>i</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
323	Printing & related support activities .....	-	9	5	h	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	-	9	5	h	D	D	D	D	D	D	D	D
32311	Printing .....	-	8	5	h	D	D	D	D	D	D	D	D
323117	Book printing .....	-	2	2	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	1	7	6		21 161	423	932	13 640	45 377	55 191	100 013	1 872
335	Electrical equipment, appliance, & component mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	2	2	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>CROWN POINT, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>32</b>	<b>7</b>	<b>760</b>	<b>22 379</b>	<b>483</b>	<b>1 028</b>	<b>11 484</b>	<b>57 249</b>	<b>44 842</b>	<b>100 857</b>	<b>2 185</b>
<b>DECATUR, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>21</b>	<b>15</b>	<b>3 310</b>	<b>103 315</b>	<b>2 722</b>	<b>6 117</b>	<b>75 321</b>	<b>286 255</b>	<b>740 636</b>	<b>1 018 157</b>	<b>17 506</b>
321	Wood product mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
3219	Other wood product mfg ...	-	4	3	f	D	D	D	D	D	D	D	D
32199	All other wood product mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	5	5	g	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
336213	Motor home mfg .....	-	2	2	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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>DELPHI, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>5</b>	<b>3</b>	<b>f</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>103</b>
<b>DUNKIRK, IN *</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>3</b>	<b>2</b>	<b>f</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
327	Nonmetallic mineral product mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
327212	Other pressed & blown glass & glassware mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>EAST CHICAGO, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>51</b>	<b>32</b>	<b>16 068</b>	<b>812 350</b>	<b>11 666</b>	<b>24 707</b>	<b>559 362</b>	<b>2 405 111</b>	<b>2 537 738</b>	<b>4 894 170</b>	<b>321 139</b>
331	Primary metal mfg .....	-	5	4	j	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg .....	-	3	3	j	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg .....	-	3	3	j	D	D	D	D	D	D	D	D
331111	Iron & steel mills .....	-	3	3	j	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
3365	Railroad rolling stock mfg ..	-	3	3	g	D	D	D	D	D	D	D	D
33651	Railroad rolling stock mfg ..	-	3	3	g	D	D	D	D	D	D	D	D
336510	Railroad rolling stock mfg ..	-	3	3	g	D	D	D	D	D	D	D	D
<b>EDINBURGH, IN *</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>23</b>	<b>17</b>	<b>1 719</b>	<b>46 409</b>	<b>1 443</b>	<b>2 880</b>	<b>30 120</b>	<b>116 102</b>	<b>120 303</b>	<b>232 420</b>	<b>19 266</b>
321	Wood product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3212	Veneer, plywood, & engineered wood product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
32121	Veneer, plywood, & engineered wood product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
321211	Hardwood veneer & plywood mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	1	6	6	594	15 615	496	1 027	11 209	33 954	38 862	72 477	9 924
3261	Plastics product mfg .....	1	6	6	594	15 615	496	1 027	11 209	33 954	38 862	72 477	9 924
32619	Other plastics product mfg .....	1	5	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	1	5	5	f	D	D	D	D	D	D	D	D
<b>ELKHART, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>349</b>	<b>177</b>	<b>17 947</b>	<b>554 524</b>	<b>13 772</b>	<b>26 064</b>	<b>349 761</b>	<b>1 481 111</b>	<b>1 534 860</b>	<b>3 023 546</b>	<b>74 629</b>
321	Wood product mfg .....	1	27	16	1 372	33 800	1 185	2 186	24 868	74 024	114 764	188 330	2 395
3219	Other wood product mfg ...	1	24	15	g	D	D	D	D	D	D	D	D
32191	Millwork .....	-	15	11	851	21 004	734	1 312	15 260	43 902	57 653	101 391	1 678
325	Chemical mfg .....	-	11	6	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	36	25	1 814	43 907	1 429	2 497	29 939	126 605	174 369	302 399	9 547
3261	Plastics product mfg .....	1	34	24	g	D	D	D	D	D	D	D	D
32615	Urethane & other foam product (except polystyrene) mfg .....	-	7	7	693	17 636	559	933	12 095	67 953	107 078	175 019	D
326150	Urethane & other foam product (except polystyrene) mfg .....	-	7	7	693	17 636	559	933	12 095	67 953	107 078	175 019	D
32619	Other plastics product mfg .....	1	16	10	605	13 404	454	845	8 958	23 825	22 459	47 771	2 781
326199	All other plastics product mfg .....	1	15	10	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	-	14	8	913	25 741	743	1 663	17 226	66 171	152 876	219 257	4 331
3272	Glass & glass product mfg ..	-	6	5	565	13 720	454	1 020	8 771	34 545	76 932	111 861	D
32721	Glass & glass product mfg ..	-	6	5	565	13 720	454	1 020	8 771	34 545	76 932	111 861	D
327215	Glass product mfg made of purchased glass .....	-	6	5	565	13 720	454	1 020	8 771	34 545	76 932	111 861	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>ELKHART, IN—Con. Manufacturing—Con.</b>												
332	Fabricated metal product mfg .....	1	79	37	3 381	99 309	2 715	5 547	69 547	218 089	198 067	411 080	18 958
3323	Architectural & structural metals mfg .....	—	24	13	1 305	31 533	1 085	2 144	22 559	63 571	100 797	166 439	3 205
33232	Ornamental & architectural metal products mfg .....	—	16	8	1 073	24 452	893	1 755	17 776	48 864	81 713	131 541	2 454
332321	Metal window & door mfg .....	—	5	3	639	13 863	560	1 064	11 166	29 513	43 926	74 272	D
3329	Other fabricated metal product mfg .....	—	9	5	747	27 901	565	1 199	19 977	76 645	44 813	114 020	12 033
33291	Metal valve mfg .....	—	3	3	f	D	D	D	D	D	D	D	D
332919	Other metal valve & pipe fitting mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	—	28	10	702	25 794	438	901	15 143	48 540	39 615	88 156	6 098
334	Computer & electronic product mfg .....	1	7	4	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg .....	—	4	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	—	4	2	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg .....	—	3	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	1	59	34	4 328	126 807	3 342	6 063	87 958	321 728	523 207	846 496	7 548
3362	Motor vehicle body & trailer mfg .....	1	32	21	2 529	69 416	1 882	3 574	46 980	141 672	329 787	472 911	3 559
33621	Motor vehicle body & trailer mfg .....	1	32	21	2 529	69 416	1 882	3 574	46 980	141 672	329 787	472 911	3 559
336211	Motor vehicle body mfg .....	1	7	5	547	16 479	478	923	10 961	33 227	90 799	125 129	881
336213	Motor home mfg .....	2	8	4	910	24 201	501	1 001	15 685	65 609	161 355	226 859	880
336214	Travel trailer & camper mfg .....	1	17	12	1 072	28 736	903	1 650	20 334	42 836	77 633	120 923	1 798
3363	Motor vehicle parts mfg ...	1	21	10	1 359	43 071	1 102	1 651	31 404	147 458	147 925	295 948	3 146
33639	Other motor vehicle parts mfg .....	—	8	3	749	26 050	605	830	19 034	103 818	53 548	157 152	1 437
336399	All other motor vehicle parts mfg .....	—	6	3	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	1	20	11	734	19 351	587	1 098	13 277	36 188	37 083	73 745	1 350
339	Miscellaneous mfg .....	—	21	8	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	—	14	8	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg .....	—	13	8	g	D	D	D	D	D	D	D	D
339992	Musical instrument mfg .....	—	8	6	g	D	D	D	D	D	D	D	D
<b>31-33</b>	<b>ELWOOD, IN *</b>		<b>23</b>	<b>12</b>	<b>1 682</b>	<b>40 717</b>	<b>1 432</b>	<b>3 007</b>	<b>31 172</b>	<b>114 490</b>	<b>205 250</b>	<b>318 310</b>	<b>7 872</b>
336	Transportation equipment mfg .....	—	2	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	2	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	—	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>31-33</b>	<b>EVANSVILLE, IN Manufacturing ....</b>		<b>213</b>	<b>84</b>	<b>15 029</b>	<b>528 076</b>	<b>9 543</b>	<b>18 994</b>	<b>280 810</b>	<b>2 148 005</b>	<b>1 255 216</b>	<b>3 445 998</b>	<b>100 980</b>
311	Food mfg .....	—	12	5	h	D	D	D	D	D	D	D	D
3115	Dairy product mfg .....	—	2	2	g	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	—	2	2	g	D	D	D	D	D	D	D	D
311514	Dry, condensed, & evaporated dairy product mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	6	4	2	f	D	D	D	D	D	D	D	D
322	Paper mfg .....	—	5	3	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg .....	—	5	3	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg .....	—	3	3	f	D	D	D	D	D	D	D	5 080

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>EVANSVILLE, IN—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
323	Printing & related support activities.....	6	32	7	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	6	32	7	f	D	D	D	D	D	D	D	D
32311	Printing .....	6	28	7	f	D	D	D	D	D	D	D	D
325	Chemical mfg .....	—	14	8	1 621	61 615	890	1 564	29 079	259 647	270 154	533 347	D
3254	Pharmaceutical & medicine mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	—	2	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg .....	—	5	4	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	—	23	14	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	—	21	14	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	—	15	9	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	—	15	9	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	—	9	4	681	27 969	534	1 161	20 798	80 228	83 102	163 350	D
332	Fabricated metal product mfg .....	1	38	16	g	D	D	D	D	D	D	D	11 773
333	Machinery mfg .....	1	23	10	862	31 830	586	1 155	19 675	54 651	57 476	119 226	3 701
335	Electrical equipment, appliance, & component mfg .....	—	3	3	h	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	—	1	1	g	D	D	D	D	D	D	D	D
33522	Major appliance mfg .....	—	1	1	g	D	D	D	D	D	D	D	D
335222	Household refrigerator & home freezer mfg..	—	1	1	g	D	D	D	D	D	D	D	D
	<b>FISHERS, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>3</b>	<b>24</b>	<b>10</b>	<b>635</b>	<b>22 026</b>	<b>430</b>	<b>897</b>	<b>11 980</b>	<b>50 937</b>	<b>44 986</b>	<b>97 528</b>	<b>2 163</b>
	<b>FORT WAYNE, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>—</b>	<b>390</b>	<b>155</b>	<b>22 830</b>	<b>846 334</b>	<b>15 779</b>	<b>31 764</b>	<b>498 390</b>	<b>2 043 352</b>	<b>2 222 732</b>	<b>4 258 917</b>	<b>119 865</b>
311	Food mfg .....	—	20	8	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	—	7	3	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	—	6	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	—	2	2	f	D	D	D	D	D	D	D	D
322	Paper mfg .....	—	11	8	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg .....	—	11	8	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg .....	2	8	6	f	D	D	D	D	D	D	D	2 869
323	Printing & related support activities.....	4	54	14	884	26 799	643	1 070	16 566	55 062	31 496	88 244	3 456
3231	Printing & related support activities.....	4	54	14	884	26 799	643	1 070	16 566	55 062	31 496	88 244	3 456
32311	Printing .....	4	43	9	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	2	18	14	1 295	40 224	993	2 063	25 666	96 423	91 578	187 808	13 135
3261	Plastics product mfg .....	2	12	11	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	—	8	7	678	19 706	530	1 214	13 946	46 310	31 785	78 019	4 699
326199	All other plastics product mfg.....	—	8	7	678	19 706	530	1 214	13 946	46 310	31 785	78 019	4 699

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>FORT WAYNE, IN—Con. Manufacturing—Con.</b>												
331	Primary metal mfg . . . . .	-	17	13	g	D	D	D	D	D	D	D	23 782
3311	Iron & steel mills & ferroalloy mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	-	7	6	f	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying . . . . .	-	6	5	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding . . . . .	-	5	4	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	-	5	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries . . . . .	-	5	4	f	D	D	D	D	D	D	D	D
331524	Aluminum foundries (except die-casting) . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	-	77	22	1 624	46 559	1 289	2 547	30 667	92 978	49 097	140 821	9 195
333	Machinery mfg . . . . .	-	65	34	3 865	136 296	2 683	4 843	77 884	266 702	228 529	492 912	18 520
3331	Agriculture, construction, & mining machinery mfg . . . . .	1	5	5	522	17 614	375	785	11 166	38 933	33 738	71 985	552
3335	Metalworking machinery mfg . . . . .	-	32	15	1 227	47 572	876	1 907	34 738	88 326	50 054	136 340	7 723
33351	Metalworking machinery mfg . . . . .	-	32	15	1 227	47 572	876	1 907	34 738	88 326	50 054	136 340	7 723
333514	Special die & tool, die set, jig, & fixture mfg . . . . .	-	20	5	663	24 491	460	1 014	18 127	51 575	26 532	78 393	5 760
3339	Other general-purpose machinery mfg . . . . .	-	15	9	g	D	D	D	D	D	D	D	D
33391	Pump & compressor mfg . . . . .	-	4	3	1 244	40 495	817	949	13 769	61 051	88 469	151 308	D
333913	Measuring & dispensing pump mfg . . . . .	-	3	3	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	-	13	2	g	D	D	D	D	D	D	D	D
3342	Communications equipment mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg . . . . .	-	9	8	g	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg . . . . .	-	6	6	g	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg . . . . .	-	6	6	g	D	D	D	D	D	D	D	D
335312	Motor & generator mfg . . . . .	-	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	23	14	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . . . .	-	17	9	h	D	D	D	D	D	D	D	9 954
33631	Motor vehicle gasoline engine & engine parts mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
336311	Carburetor, piston, piston ring, & valve mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	-	6	4	g	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg . . . . .	-	6	4	g	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>FORT WAYNE, IN—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
339	Miscellaneous mfg . . . . .	-	30	4	791	19 020	585	858	9 727	138 774	87 140	226 154	D
3399	Other miscellaneous mfg . .	-	17	3	f	D	D	D	D	D	D	D	D
33993	Doll, toy, & game mfg . . .	-	2	1	f	D	D	D	D	D	D	D	D
339932	Game, toy, & children's vehicle mfg . . . . .	-	2	1	f	D	D	D	D	D	D	D	D
	<b>FRANKFORT, IN</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>28</b>	<b>18</b>	<b>h</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>34 587</b>
311	Food mfg . . . . .	-	7	4	g	D	D	D	D	D	D	D	D
3119	Other food mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
31191	Snack food mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
311919	Other snack food mfg . . .	-	2	2	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
	<b>FRANKLIN, IN</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>1</b>	<b>39</b>	<b>22</b>	<b>3 719</b>	<b>118 943</b>	<b>2 918</b>	<b>5 983</b>	<b>74 549</b>	<b>333 321</b>	<b>448 915</b>	<b>779 807</b>	<b>51 431</b>
332	Fabricated metal product mfg . . . . .	-	9	5	744	30 147	529	1 208	16 574	109 719	87 572	196 841	5 018
336	Transportation equipment mfg . . . . .	1	3	3	1 446	39 853	1 258	2 381	29 722	124 782	185 997	311 612	25 729
3363	Motor vehicle parts mfg . . .	1	3	3	1 446	39 853	1 258	2 381	29 722	124 782	185 997	311 612	25 729
33639	Other motor vehicle parts mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
	<b>GARRETT, IN</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	<b>1</b>	<b>26</b>	<b>17</b>	<b>1 733</b>	<b>43 284</b>	<b>1 305</b>	<b>2 316</b>	<b>26 775</b>	<b>96 784</b>	<b>105 432</b>	<b>202 159</b>	<b>4 585</b>
321	Wood product mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
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
	<b>GARY, IN</b>												
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>62</b>	<b>29</b>	<b>10 066</b>	<b>511 255</b>	<b>8 125</b>	<b>17 658</b>	<b>418 366</b>	<b>1 802 488</b>	<b>1 578 085</b>	<b>3 377 401</b>	<b>183 177</b>
331	Primary metal mfg . . . . .	-	5	5	i	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg . . . . .	-	2	2	i	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg . . . . .	-	2	2	i	D	D	D	D	D	D	D	D
331111	Iron & steel mills . . . . .	-	2	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>GOSHEN, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>105</b>	<b>58</b>	<b>7 397</b>	<b>200 790</b>	<b>5 958</b>	<b>11 711</b>	<b>139 799</b>	<b>449 604</b>	<b>622 563</b>	<b>1 070 781</b>	<b>29 445</b>
326	Plastics & rubber products mfg . . . . .	-	15	13	1 923	48 875	1 621	3 070	35 648	106 746	95 631	199 859	D
3262	Rubber product mfg . . . . .	-	10	9	g	D	D	D	D	D	D	D	D
32629	Other rubber product mfg . . . . .	-	10	9	g	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use . . . . .	-	9	8	1 478	35 563	1 230	2 248	25 568	54 826	39 692	93 051	D
332	Fabricated metal product mfg . . . . .	-	17	7	622	14 353	512	976	10 350	27 315	28 926	56 263	2 732
336	Transportation equipment mfg . . . . .	1	21	15	2 287	67 218	1 792	3 732	46 370	154 315	264 038	421 166	7 307
3362	Motor vehicle body & trailer mfg . . . . .	-	12	9	1 465	45 568	1 213	2 652	34 444	96 214	192 740	290 804	3 078
33621	Motor vehicle body & trailer mfg . . . . .	-	12	9	1 465	45 568	1 213	2 652	34 444	96 214	192 740	290 804	3 078
336214	Travel trailer & camper mfg . . . . .	-	7	5	936	31 232	799	1 883	25 268	67 740	143 415	212 915	1 498
3363	Motor vehicle parts mfg . . .	3	9	6	822	21 650	579	1 080	11 926	58 101	71 298	130 362	4 229
33639	Other motor vehicle parts mfg . . . . .	3	3	3	518	14 074	335	608	7 479	48 160	57 309	106 179	D
336399	All other motor vehicle parts mfg . . . . .	3	3	3	518	14 074	335	608	7 479	48 160	57 309	106 179	D
337	Furniture & related product mfg . . . . .	-	10	6	889	21 916	751	1 462	16 176	59 537	35 342	94 619	2 499
3371	Household & institutional furniture & kitchen cabinet mfg . . . . .	-	8	5	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg . . . . .	-	5	4	797	20 025	670	1 304	14 756	56 057	32 775	88 606	D
337110	Wood kitchen cabinet & counter top mfg . . .	-	5	4	797	20 025	670	1 304	14 756	56 057	32 775	88 606	D
<b>GREENCASTLE, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>10</b>	<b>6</b>	<b>2 208</b>	<b>57 232</b>	<b>1 813</b>	<b>3 477</b>	<b>41 169</b>	<b>164 365</b>	<b>207 157</b>	<b>371 466</b>	<b>22 407</b>
326	Plastics & rubber products mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg . . . . .	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . .	-	2	2	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping . . . . .	-	2	2	f	D	D	D	D	D	D	D	D
<b>GREENFIELD, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>23</b>	<b>7</b>	<b>768</b>	<b>27 640</b>	<b>525</b>	<b>1 119</b>	<b>15 755</b>	<b>94 585</b>	<b>124 148</b>	<b>217 815</b>	<b>3 290</b>
<b>GREENSBURG, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>28</b>	<b>8</b>	<b>2 096</b>	<b>69 960</b>	<b>1 727</b>	<b>4 087</b>	<b>56 301</b>	<b>291 399</b>	<b>193 976</b>	<b>480 498</b>	<b>8 135</b>
332	Fabricated metal product mfg . . . . .	-	8	2	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
33291	Metal valve mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting & trim mfg . . . . .	-	1	1	g	D	D	D	D	D	D	D	D
<b>GREENWOOD, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>45</b>	<b>10</b>	<b>1 013</b>	<b>36 074</b>	<b>605</b>	<b>1 271</b>	<b>17 217</b>	<b>78 753</b>	<b>198 170</b>	<b>289 611</b>	<b>10 534</b>

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>HAMMOND, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>76</b>	<b>40</b>	<b>4 195</b>	<b>171 427</b>	<b>3 241</b>	<b>7 068</b>	<b>110 610</b>	<b>556 299</b>	<b>908 777</b>	<b>1 468 048</b>	<b>40 022</b>
311	Food mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling ....	-	1	1	f	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg .....	-	6	5	831	50 388	678	1 681	33 086	220 289	289 516	514 855	D
331	Primary metal mfg .....	-	5	4	608	28 989	462	1 038	21 158	72 994	160 223	234 531	D
332	Fabricated metal product mfg .....	-	24	9	692	24 171	546	1 099	17 467	65 446	133 639	191 999	2 099
<b>HARTFORD CITY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>20</b>	<b>13</b>	<b>1 543</b>	<b>46 274</b>	<b>1 258</b>	<b>2 622</b>	<b>31 788</b>	<b>119 545</b>	<b>134 194</b>	<b>228 976</b>	<b>8 393</b>
332	Fabricated metal product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>HUNTINGBURG, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>18</b>	<b>11</b>	<b>1 962</b>	<b>44 378</b>	<b>1 734</b>	<b>3 889</b>	<b>36 842</b>	<b>104 046</b>	<b>142 046</b>	<b>239 485</b>	<b>6 856</b>
311	Food mfg .....	-	2	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
337	Furniture & related product mfg .....	1	6	4	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	-	5	3	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) mfg .....	-	5	3	f	D	D	D	D	D	D	D	D
337211	Wood office furniture mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
<b>HUNTINGTON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>56</b>	<b>34</b>	<b>6 337</b>	<b>174 980</b>	<b>4 649</b>	<b>9 548</b>	<b>99 092</b>	<b>578 614</b>	<b>528 480</b>	<b>1 105 599</b>	<b>36 797</b>
332	Fabricated metal product mfg .....	-	11	7	997	24 825	724	1 134	13 205	73 633	55 475	127 448	6 955
3325	Hardware mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33251	Hardware mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
332510	Hardware mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	6	6	1 927	49 974	1 382	2 887	25 497	111 895	121 726	236 514	8 746
3344	Semiconductor & other electronic component mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
334419	Other electronic component mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	7	5	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	5	5	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	1	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS, IN (CC)</b> *												
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>1 094</b>	<b>397</b>									<b>517 000</b>
311	Food mfg .....	-	44	23	h	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling ....	-	4	3		1 025	43 920	775	1 763	32 552	315 644	238 680	546 291
31122	Starch & vegetable fats & oils mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	-	17	7	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	-	16	6	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	8	5	g	D	D	D	D	D	D	D	D
3119	Other food mfg .....	-	10	6	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg .....	8	9	6	f	D	D	D	D	D	D	D	D
3121	Beverage mfg .....	8	9	6	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg .....	8	6	6	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg .....	9	3	3	f	D	D	D	D	D	D	D	D
321	Wood product mfg .....	3	19	8	f	D	D	D	D	D	D	D	D
322	Paper mfg .....	-	23	20	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg .....	-	22	19	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg .....	-	13	11	g	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg .....	-	10	8	f	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg ...	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	-	205	53		4 971	146 820	3 650	6 943	90 702	379 617	345 232	723 833
3231	Printing & related support activities .....	-	205	53		4 971	146 820	3 650	6 943	90 702	379 617	345 232	723 833
32311	Printing .....	-	170	36	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	80	21	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing .....	-	15	2	f	D	D	D	D	D	D	D	D
32312	Support activities for printing .....	3	35	17	g	D	D	D	D	D	D	D	D
323121	Tradebinding & related work .....	3	13	8	f	D	D	D	D	D	D	D	D
323122	Prepress services ....	3	22	9		507	18 130	360	696	9 939	35 016	8 322	43 421
325	Chemical mfg .....	-	52	23	i	D	D	D	D	D	D	D	99 383
3251	Basic chemical mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg .....	-	9	4	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg .....	-	9	4	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg .....	-	7	2	h	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	2	46	18	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	1	31	16	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	18	10		956	23 738	749	1 469	14 768	63 987	60 706	124 491
326199	All other plastics product mfg .....	-	16	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg .....	1	38	14		1 069	33 373	747	1 573	19 941	78 934	89 314	169 305
3273	Cement & concrete product mfg .....	1	22	9	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANAPOLIS, IN (CC) *—Con. Manufacturing— Con.</b>												
331	Primary metal mfg . . . . .	—	14	11	h	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing . . . . .	—	2	2	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding . . . . .	—	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries . . . . .	—	9	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries . . . . .	—	5	5	g	D	D	D	D	D	D	D	D
331511	Iron foundries . . . . .	—	4	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg . . . . .	—	239	94	8 993	303 843	6 848	13 890	193 805	788 453	506 614	1 331 110	42 577
3323	Architectural & structural metals mfg . . . . .	1	49	24	g	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg . . . . .	1	32	17	g	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg . . . . .	1	21	13	g	D	D	D	D	D	D	D	D
3325	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
33251	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
332510	Hardware mfg . . . . .	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
3327	Machine shops, turned product, & screw, nut, & bolt mfg . . . . .	—	87	25	g	D	D	D	D	D	D	D	D
33271	Machine shops . . . . .	1	75	20	g	D	D	D	D	D	D	D	D
332710	Machine shops . . . . .	1	75	20	g	D	D	D	D	D	D	D	D
33272	Turned product & screw, nut, & bolt mfg . . . . .	—	12	5	f	D	D	D	D	D	D	D	D
332721	Precision turned product mfg . . . . .	—	7	4	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities . . . . .	1	45	17	g	D	D	D	D	D	D	D	4 850
33281	Coating, engraving, heat treating, & allied activities . . . . .	1	45	17	g	D	D	D	D	D	D	D	4 850
332813	Electroplating, plating, polishing, anodizing, & coloring . . . . .	1	21	9	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg . . . . .	—	30	13	1 580	58 201	1 182	2 421	37 680	193 719	139 020	369 405	D
33299	All other fabricated metal product mfg . . . . .	—	23	8	g	D	D	D	D	D	D	D	2 753
332991	Ball & roller bearing mfg . . . . .	—	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	—	112	43	7 778	312 041	5 599	10 565	204 823	795 249	1 259 747	2 055 462	48 665
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg . . . . .	—	8	4	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg . . . . .	—	8	4	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refig equip mfg . . . . .	—	7	3	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg . . . . .	1	41	9	f	D	D	D	D	D	D	D	3 360
33351	Metalworking machinery mfg . . . . .	1	41	9	f	D	D	D	D	D	D	D	3 360
3336	Engine, turbine, & power transmission equipment mfg . . . . .	—	11	4	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg . . . . .	—	11	4	h	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg . . . . .	—	4	2	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg . . . . .	—	3	1	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg . . . . .	1	32	17	1 608	62 432	996	2 184	31 255	127 944	157 829	288 199	D
33391	Pump & compressor mfg . . . . .	—	7	5	534	27 067	227	386	9 089	40 558	63 173	110 200	D
33392	Material handling equipment mfg . . . . .	3	12	7	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg . . . . .	1	37	15	1 535	42 300	918	1 851	19 788	87 676	73 344	160 378	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANAPOLIS, IN (CC) *—Con. Manufacturing— Con.</b>												
336	Transportation equipment mfg .....	-	42	19	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	27	13	7 172	410 184	6 219	13 977	344 560	1 067 454	1 101 582	2 191 590	111 697
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	6	3	f	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg .....	-	4	3	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg .....	-	4	3	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg .....	-	4	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg .....	-	4	4	h	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg .....	-	4	4	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	40	12	1 335	40 304	1 013	2 011	24 882	92 280	65 889	157 856	2 815
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	21	3	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	13	2	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	1	15	8	f	D	D	D	D	D	D	D	870
33721	Office furniture (including fixtures) mfg .....	1	15	8	f	D	D	D	D	D	D	D	870
339	Miscellaneous mfg .....	1	109	24	2 150	59 935	1 511	2 773	34 504	181 219	90 230	273 301	D
3391	Medical equipment & supplies mfg .....	1	51	11	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg .....	1	51	11	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	1	58	13	g	D	D	D	D	D	D	D	D
<b>31-33</b>	<b>INDIANAPOLIS CITY (BALANCE), IN *</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	<b>-</b>	<b>1 093</b>	<b>397</b>	<b>59 135</b>	<b>2 525 515</b>	<b>41 838</b>	<b>86 238</b>	<b>1 565 380</b>	<b>11 048 165</b>	<b>7 297 218</b>	<b>17 918 825</b>	<b>517 000</b>
311	Food mfg .....	-	44	23	h	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling ....	-	4	3	1 025	43 920	775	1 763	32 552	315 644	238 680	546 291	D
31122	Starch & vegetable fats & oils mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311221	Wet corn milling .....	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	-	17	7	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg .....	-	16	6	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	8	5	g	D	D	D	D	D	D	D	D
3119	Other food mfg .....	-	10	6	f	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg .....	8	9	6	f	D	D	D	D	D	D	D	D
3121	Beverage mfg .....	8	9	6	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg .....	8	6	6	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg .....	9	3	3	f	D	D	D	D	D	D	D	D
321	Wood product mfg .....	3	19	8	f	D	D	D	D	D	D	D	D
322	Paper mfg .....	-	23	20	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg .....	-	22	19	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg .....	-	13	11	g	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg .....	-	10	8	f	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
322299	All other converted paper 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANAPOLIS CITY (BALANCE), IN *—Con.</b>												
	<b>Manufacturing—Con.</b>												
323	Printing & related support activities.....	-	205	53	4 971	146 820	3 650	6 943	90 702	379 617	345 232	723 833	22 107
3231	Printing & related support activities.....	-	205	53	4 971	146 820	3 650	6 943	90 702	379 617	345 232	723 833	22 107
32311	Printing.....	-	170	36	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing..	-	80	21	g	D	D	D	D	D	D	D	D
323113	Commercial screen printing.....	-	15	2	f	D	D	D	D	D	D	D	D
32312	Support activities for printing.....	3	35	17	g	D	D	D	D	D	D	D	D
323121	Tradebinding & related work.....	3	13	8	f	D	D	D	D	D	D	D	D
323122	Prepress services.....	3	22	9	507	18 130	360	696	9 939	35 016	8 322	43 421	D
325	Chemical mfg.....	-	52	23	i	D	D	D	D	D	D	D	99 383
3251	Basic chemical mfg.....	-	4	2	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	-	9	4	h	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg.....	-	9	4	h	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg.....	-	7	2	h	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	2	46	18	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg.....	1	31	16	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	-	18	10	956	23 738	749	1 469	14 768	63 987	60 706	124 491	5 672
326199	All other plastics product mfg.....	-	16	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	1	38	14	1 069	33 373	747	1 573	19 941	78 934	89 314	169 305	D
3273	Cement & concrete product mfg.....	1	22	9	f	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	-	14	11	h	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing.....	-	2	2	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying...	-	1	1	f	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding.	-	1	1	f	D	D	D	D	D	D	D	D
3315	Foundries.....	-	9	6	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries.	-	5	5	g	D	D	D	D	D	D	D	D
331511	Iron foundries.....	-	4	4	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	239	94	8 993	303 843	6 848	13 890	193 805	788 453	506 614	1 331 110	42 577
3323	Architectural & structural metals mfg.....	1	49	24	g	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg.....	1	32	17	g	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg.	1	21	13	g	D	D	D	D	D	D	D	D
3325	Hardware mfg.....	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
33251	Hardware mfg.....	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
332510	Hardware mfg.....	1	5	4	1 531	57 975	1 234	2 509	36 006	199 953	85 628	284 702	8 880
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	-	87	25	g	D	D	D	D	D	D	D	D
33271	Machine shops.....	1	75	20	g	D	D	D	D	D	D	D	D
332710	Machine shops.....	1	75	20	g	D	D	D	D	D	D	D	D
33272	Turned product & screw, nut, & bolt mfg.....	-	12	5	f	D	D	D	D	D	D	D	D
332721	Precision turned product mfg.....	-	7	4	f	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities.	1	45	17	g	D	D	D	D	D	D	D	4 850
33281	Coating, engraving, heat treating, & allied activities.....	1	45	17	g	D	D	D	D	D	D	D	4 850
332813	Electroplating, plating, polishing, anodizing, & coloring.....	1	21	9	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>31-33</b>	<b>INDIANAPOLIS CITY (BALANCE), IN *—Con.</b>												
	<b>Manufacturing—Con.</b>												
332	Fabricated metal product mfg—Con.												
3329	Other fabricated metal product mfg .....	-	30	13	1 580	58 201	1 182	2 421	37 680	193 719	139 020	369 405	D
33299	All other fabricated metal product mfg .....	-	23	8	g	D	D	D	D	D	D	D	2 753
332991	Ball & roller bearing mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	-	112	43	7 778	312 041	5 599	10 565	204 823	795 249	1 259 747	2 055 462	48 665
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	8	4	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	8	4	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	-	7	3	g	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg .....	1	41	9	f	D	D	D	D	D	D	D	3 360
33351	Metalworking machinery mfg .....	1	41	9	f	D	D	D	D	D	D	D	3 360
3336	Engine, turbine, & power transmission equipment mfg .....	-	11	4	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg .....	-	11	4	h	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg .....	-	4	2	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg .....	-	3	1	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	1	32	17	1 608	62 432	996	2 184	31 255	127 944	157 829	288 199	D
33391	Pump & compressor mfg .....	-	7	5	534	27 067	227	386	9 089	40 558	63 173	110 200	D
33392	Material handling equipment mfg .....	3	12	7	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	1	37	15	1 535	42 300	918	1 851	19 788	87 676	73 344	160 378	D
336	Transportation equipment mfg .....	-	42	19	j	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	27	13	7 172	410 184	6 219	13 977	344 560	1 067 454	1 101 582	2 191 590	111 697
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	6	3	f	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg ....	-	4	2	f	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg ....	-	4	3	h	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg .....	-	4	3	h	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	h	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg .....	-	4	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg .....	-	4	4	h	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg ....	-	4	4	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	40	12	1 335	40 304	1 013	2 011	24 882	92 280	65 889	157 856	2 815
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	21	3	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	13	2	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg .....	1	15	8	f	D	D	D	D	D	D	D	870
33721	Office furniture (including fixtures) mfg .....	1	15	8	f	D	D	D	D	D	D	D	870



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	<b>INDIANAPOLIS CITY (BALANCE), IN *—Con.</b>												
<b>31-33</b>	<b>Manufacturing—Con.</b>												
339	Miscellaneous mfg.....	1	109	24	2 150	59 935	1 511	2 773	34 504	181 219	90 230	273 301	D
3391	Medical equipment & supplies mfg.....	1	51	11	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	1	51	11	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg..	1	58	13	g	D	D	D	D	D	D	D	D
	<b>JASPER, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>52</b>	<b>33</b>	<b>7 686</b>	<b>210 683</b>	<b>6 331</b>	<b>14 065</b>	<b>159 798</b>	<b>474 014</b>	<b>473 573</b>	<b>947 533</b>	<b>36 217</b>
321	Wood product mfg.....	—	10	6	740	18 133	642	1 337	15 284	28 812	60 208	88 651	3 531
326	Plastics & rubber products mfg.....	1	4	4	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg.....	—	2	2	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use.....	—	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	—	1	1	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
334418	Printed circuit assembly (electronic assembly) mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	—	2	1	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg...	—	2	1	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg.....	—	1	1	g	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg.....	—	1	1	g	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	—	17	16	3 678	102 033	3 099	6 718	79 080	235 840	178 445	413 511	12 444
3371	Household & institutional furniture & kitchen cabinet mfg.....	—	10	9	1 665	47 103	1 401	3 147	36 037	111 739	75 847	185 597	D
33712	Household & institutional furniture mfg.....	—	6	6	g	D	D	D	D	D	D	D	4 573
337121	Upholstered household furniture mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg.....	—	7	7	2 013	54 930	1 698	3 571	43 043	124 101	102 598	227 914	D
33721	Office furniture (including fixtures) mfg.....	—	7	7	2 013	54 930	1 698	3 571	43 043	124 101	102 598	227 914	D
337211	Wood office furniture mfg.....	—	6	6	g	D	D	D	D	D	D	D	D
	<b>JEFFERSONVILLE, IN</b>												
<b>31-33</b>	<b>Manufacturing ....</b>	—	<b>75</b>	<b>33</b>	<b>3 671</b>	<b>105 307</b>	<b>2 904</b>	<b>5 682</b>	<b>72 153</b>	<b>252 575</b>	<b>321 411</b>	<b>583 988</b>	<b>18 530</b>
336	Transportation equipment mfg.....	—	2	2	g	D	D	D	D	D	D	D	D
3366	Ship & boat building.....	—	2	2	g	D	D	D	D	D	D	D	D
33661	Ship & boat building.....	—	2	2	g	D	D	D	D	D	D	D	D
336611	Ship building & repairing.....	—	2	2	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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
<b>KENDALLVILLE, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>48</b>	<b>29</b>	<b>4 528</b>	<b>125 258</b>	<b>3 661</b>	<b>7 392</b>	<b>92 149</b>	<b>424 341</b>	<b>423 962</b>	<b>850 107</b>	<b>26 658</b>	
311	Food mfg .....	-	4	1	f	D	D	D	D	D	D	D	D	
3113	Sugar & confectionery product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D	
31134	Nonchocolate confectionery mfg .....	-	1	1	f	D	D	D	D	D	D	D	D	
311340	Nonchocolate confectionery mfg ...	-	1	1	f	D	D	D	D	D	D	D	D	
331	Primary metal mfg .....	-	4	4	f	D	D	D	D	D	D	D	D	
3315	Foundries .....	-	3	3	f	D	D	D	D	D	D	D	D	
332	Fabricated metal product mfg .....	-	12	5		564	16 187	478	1 033	12 349	34 314	29 166	63 201	1 674
336	Transportation equipment mfg .....	-	3	3		676	19 129	550	1 150	13 758	62 958	86 699	151 694	6 362
3363	Motor vehicle parts mfg ...	-	3	3		676	19 129	550	1 150	13 758	62 958	86 699	151 694	6 362
<b>KNOX, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>6</b>	<b>4</b>	<b>642</b>	<b>12 871</b>	<b>543</b>	<b>947</b>	<b>9 115</b>	<b>36 430</b>	<b>29 249</b>	<b>65 449</b>	<b>2 897</b>	
<b>KOKOMO, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>66</b>	<b>24</b>	<b>j</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	
331	Primary metal mfg .....	-	4	2	f	D	D	D	D	D	D	D	D	
3314	Nonferrous metal (except aluminum) production & processing .....	-	2	1	f	D	D	D	D	D	D	D	D	
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	-	2	1	f	D	D	D	D	D	D	D	D	
331491	Other nonferrous metal rolling, drawing, & extruding .....	-	1	1	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg .....	-	4	4	j	D	D	D	D	D	D	D	D	
3363	Motor vehicle parts mfg ...	-	4	4	j	D	D	D	D	D	D	D	D	
33635	Motor vehicle transmission & power train parts mfg .....	-	4	4	j	D	D	D	D	D	D	D	D	
336350	Motor vehicle transmission & power train parts mfg .....	-	4	4	j	D	D	D	D	D	D	D	D	
<b>LAFAYETTE, IN</b>														
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>71</b>	<b>36</b>	<b>j</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>291 338</b>	
311	Food mfg .....	-	8	5	f	D	D	D	D	D	D	D	D	
3112	Grain & oilseed milling ....	-	3	3	f	D	D	D	D	D	D	D	D	
31122	Starch & vegetable fats & oils mfg .....	-	3	3	f	D	D	D	D	D	D	D	D	
325	Chemical mfg .....	-	5	4	g	D	D	D	D	D	D	D	D	
3254	Pharmaceutical & medicine mfg .....	-	2	2	g	D	D	D	D	D	D	D	D	
32541	Pharmaceutical & medicine mfg .....	-	2	2	g	D	D	D	D	D	D	D	D	
325411	Medicinal & botanical mfg .....	-	1	1	g	D	D	D	D	D	D	D	D	
331	Primary metal mfg .....	-	2	2	g	D	D	D	D	D	D	D	D	
3313	Alumina & aluminum production & processing ..	-	1	1	g	D	D	D	D	D	D	D	D	
33131	Alumina & aluminum production & processing .....	-	1	1	g	D	D	D	D	D	D	D	D	
331316	Aluminum extruded product mfg .....	-	1	1	g	D	D	D	D	D	D	D	D	
332	Fabricated metal product mfg .....	1	17	7		539	14 045	410	706	9 297	38 139	24 257	62 609	1 216
333	Machinery mfg .....	-	4	2	h	D	D	D	D	D	D	D	D	
3336	Engine, turbine, & power transmission equipment mfg .....	-	2	2	h	D	D	D	D	D	D	D	D	
33361	Engine, turbine, & power transmission equipment mfg .....	-	2	2	h	D	D	D	D	D	D	D	D	
333612	Speed changer, industrial high-speed drive, & gear mfg ....	-	1	1	g	D	D	D	D	D	D	D	D	
333618	Other engine 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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>LAFAYETTE, IN—Con.</b>													
<b>31-33</b>	<b>Manufacturing—Con.</b>												
336	Transportation equipment mfg .....	-	3	2	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
336212	Truck trailer mfg .....	-	1	1	h	D	D	D	D	D	D	D	D
<b>LA PORTE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>60</b>	<b>30</b>	<b>4 204</b>	<b>137 468</b>	<b>3 298</b>	<b>6 667</b>	<b>88 449</b>	<b>308 059</b>	<b>266 145</b>	<b>571 244</b>	<b>19 643</b>
331	Primary metal mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
3315	Foundries .....	-	4	4	g	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .	-	3	3	g	D	D	D	D	D	D	D	D
331512	Steel investment foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	18	8	731	22 097	610	1 207	16 310	50 031	43 234	92 054	2 029
<b>LAWRENCE, IN *</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>2</b>	<b>30</b>	<b>8</b>	<b>626</b>	<b>19 564</b>	<b>502</b>	<b>957</b>	<b>12 110</b>	<b>30 313</b>	<b>29 493</b>	<b>61 896</b>	<b>D</b>
<b>LAWRENCEBURG, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>14</b>	<b>6</b>	<b>1 076</b>	<b>45 913</b>	<b>873</b>	<b>1 615</b>	<b>33 752</b>	<b>98 577</b>	<b>66 674</b>	<b>142 885</b>	<b>9 823</b>
312	Beverage & tobacco product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3121	Beverage mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
31214	Distilleries .....	-	1	1	f	D	D	D	D	D	D	D	D
312140	Distilleries .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>LEBANON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>32</b>	<b>13</b>	<b>1 137</b>	<b>30 512</b>	<b>877</b>	<b>1 559</b>	<b>19 508</b>	<b>71 396</b>	<b>53 507</b>	<b>124 552</b>	<b>2 032</b>
<b>LIGONIER, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>29</b>	<b>16</b>	<b>3 157</b>	<b>93 659</b>	<b>2 608</b>	<b>5 296</b>	<b>68 479</b>	<b>193 639</b>	<b>273 440</b>	<b>469 046</b>	<b>21 262</b>
326	Plastics & rubber products mfg .....	1	5	5	948	25 533	848	1 788	20 018	62 157	40 909	102 262	7 657
3261	Plastics product mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	4	3	1 217	42 820	964	1 880	30 659	53 686	144 461	200 977	11 470
3363	Motor vehicle parts mfg ...	-	3	3	g	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>LOGANSPORT, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>35</b>	<b>20</b>	<b>2 529</b>	<b>80 561</b>	<b>2 094</b>	<b>4 537</b>	<b>60 068</b>	<b>202 466</b>	<b>192 283</b>	<b>391 741</b>	<b>20 523</b>
326	Plastics & rubber products mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
3262	Rubber product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
32629	Other rubber product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
326291	Rubber product mfg for mechanical use .....	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	1	6	6	1 153	36 510	959	2 024	27 933	97 534	77 401	174 821	D
3363	Motor vehicle parts mfg ...	1	6	6	1 153	36 510	959	2 024	27 933	97 534	77 401	174 821	D
33637	Motor vehicle metal stamping .....	-	2	2	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>LOWELL, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>11</b>	<b>5</b>	<b>861</b>	<b>26 890</b>	<b>694</b>	<b>1 389</b>	<b>19 852</b>	<b>99 787</b>	<b>61 041</b>	<b>160 668</b>	<b>7 870</b>

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MADISON, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>31</b>	<b>12</b>	<b>3 183</b>	<b>83 141</b>	<b>2 455</b>	<b>4 938</b>	<b>57 339</b>	<b>230 263</b>	<b>269 076</b>	<b>500 205</b>	<b>28 057</b>
333	Machinery mfg .....	1	7	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	3	3	g	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MARION, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>56</b>	<b>29</b>	<b>8 037</b>	<b>356 558</b>	<b>6 841</b>	<b>14 559</b>	<b>288 297</b>	<b>642 317</b>	<b>899 775</b>	<b>1 536 959</b>	<b>82 451</b>
327	Nonmetallic mineral product mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg .	-	1	1	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
327213	Glass container mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
334411	Electron tube mfg ....	-	1	1	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	6	5	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	5	4	2 867	173 598	2 526	5 530	147 697	198 310	269 499	470 591	D
33635	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping .....	-	2	2	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping .....	-	2	2	g	D	D	D	D	D	D	D	D
<b>MARTINSVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>8</b>	<b>26</b>	<b>7</b>	<b>1 611</b>	<b>45 880</b>	<b>1 263</b>	<b>2 653</b>	<b>26 247</b>	<b>166 775</b>	<b>121 978</b>	<b>288 901</b>	<b>8 562</b>
334	Computer & electronic product mfg .....	9	1	1	g	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg .....	9	1	1	g	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg .....	9	1	1	g	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg .....	9	1	1	g	D	D	D	D	D	D	D	D
<b>MERRILLVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>35</b>	<b>13</b>	<b>641</b>	<b>17 704</b>	<b>447</b>	<b>810</b>	<b>10 187</b>	<b>44 774</b>	<b>39 166</b>	<b>82 055</b>	<b>10 402</b>

**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>MICHIGAN CITY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>69</b>	<b>40</b>	<b>4 621</b>	<b>153 295</b>	<b>3 055</b>	<b>6 504</b>	<b>85 917</b>	<b>516 876</b>	<b>440 220</b>	<b>946 910</b>	<b>46 296</b>
332	Fabricated metal product mfg .....	-	23	11	760	21 701	532	1 034	11 752	78 679	57 031	134 776	8 075
333	Machinery mfg .....	-	9	8	1 188	49 728	745	1 653	26 953	209 678	187 018	386 306	6 523
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg .....	-	6	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	3	3	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>MISHAWAKA, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>128</b>	<b>48</b>	<b>5 253</b>	<b>162 913</b>	<b>3 846</b>	<b>7 937</b>	<b>99 997</b>	<b>360 347</b>	<b>279 105</b>	<b>636 499</b>	<b>28 036</b>
326	Plastics & rubber products mfg .....	-	15	10	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	12	9	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	10	8	1 237	32 555	973	2 191	21 220	74 698	62 466	135 638	10 848
326199	All other plastics product mfg .....	-	10	8	1 237	32 555	973	2 191	21 220	74 698	62 466	135 638	10 848
331	Primary metal mfg .....	-	5	4	g	D	D	D	D	D	D	D	2 040
3315	Foundries .....	-	3	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	34	15	924	27 653	710	1 310	18 288	58 873	35 698	93 946	4 687
336	Transportation equipment mfg .....	1	6	4	502	13 104	331	779	7 147	15 652	15 337	29 880	D
<b>MITCHELL, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>10</b>	<b>7</b>	<b>1 449</b>	<b>31 562</b>	<b>1 184</b>	<b>2 125</b>	<b>22 335</b>	<b>104 139</b>	<b>94 851</b>	<b>200 712</b>	<b>6 569</b>
336	Transportation equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>MONTECELLO, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>20</b>	<b>9</b>	<b>1 291</b>	<b>39 410</b>	<b>1 076</b>	<b>2 001</b>	<b>29 442</b>	<b>144 018</b>	<b>200 866</b>	<b>340 850</b>	<b>12 517</b>
332	Fabricated metal product mfg .....	-	4	3	f	D	D	D	D	D	D	D	6 147
<b>MOORESVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>6</b>	<b>22</b>	<b>10</b>	<b>995</b>	<b>26 049</b>	<b>638</b>	<b>1 206</b>	<b>15 735</b>	<b>66 143</b>	<b>86 283</b>	<b>152 749</b>	<b>4 794</b>
<b>MUNCIE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>109</b>	<b>54</b>	<b>7 185</b>	<b>302 387</b>	<b>5 283</b>	<b>10 938</b>	<b>191 769</b>	<b>614 293</b>	<b>689 586</b>	<b>1 305 561</b>	<b>52 307</b>
332	Fabricated metal product mfg .....	1	39	17	1 058	31 018	793	1 595	20 242	91 162	65 175	152 939	D
333	Machinery mfg .....	-	18	9	807	38 408	524	1 187	21 127	88 822	28 184	119 207	D
336	Transportation equipment mfg .....	-	7	6	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	7	6	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg .....	-	2	2	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg .....	-	2	2	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>NAPPANEE, IN *</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>30</b>	<b>21</b>	<b>3 824</b>	<b>108 934</b>	<b>3 141</b>	<b>6 327</b>	<b>74 491</b>	<b>258 584</b>	<b>516 905</b>	<b>778 534</b>	<b>5 770</b>
321	Wood product mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
3219	Other wood product mfg ...	-	4	4	g	D	D	D	D	D	D	D	D
32199	All other wood product mfg .....	-	4	4	g	D	D	D	D	D	D	D	D
321991	Manufactured home (mobile home) mfg ..	-	2	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	-	10	8	1 684	49 357	1 404	2 990	31 570	123 153	290 272	411 787	1 599
3362	Motor vehicle body & trailer mfg .....	-	7	6	1 601	46 805	1 346	2 844	29 707	117 333	278 574	394 331	D
33621	Motor vehicle body & trailer mfg .....	-	7	6	1 601	46 805	1 346	2 844	29 707	117 333	278 574	394 331	D
336213	Motor home mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
336214	Travel trailer & camper mfg .....	-	4	3	f	D	D	D	D	D	D	D	D
<b>NEW ALBANY, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	<b>1</b>	<b>100</b>	<b>54</b>	<b>6 779</b>	<b>188 183</b>	<b>5 440</b>	<b>11 534</b>	<b>130 805</b>	<b>634 275</b>	<b>535 009</b>	<b>1 168 694</b>	<b>D</b>
311	Food mfg .....	-	7	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg .....	-	4	1	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour .....	-	1	1	f	D	D	D	D	D	D	D	D
321	Wood product mfg .....	-	14	8	f	D	D	D	D	D	D	D	D
323	Printing & related support activities .....	-	10	4	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	-	10	4	f	D	D	D	D	D	D	D	D
32311	Printing .....	-	9	4	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing ..	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	8	5	5	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	8	5	5	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	9	4	4	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	9	3	3	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	2	20	12	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	2	7	3	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg .....	2	5	3	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg .....	2	5	3	f	D	D	D	D	D	D	D	D
<b>NEW CASTLE, IN</b>													
<b>31-33</b>	<b>Manufacturing ....</b>	-	<b>20</b>	<b>9</b>	<b>2 607</b>	<b>139 163</b>	<b>2 172</b>	<b>5 515</b>	<b>115 271</b>	<b>212 960</b>	<b>338 901</b>	<b>547 968</b>	<b>23 411</b>
336	Transportation equipment mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	2	2	g	D	D	D	D	D	D	D	D
33633	Motor vehicle steering & suspension component (except spring) mfg ...	-	1	1	g	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) 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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>NEW HAVEN, IN</b>													
31-33	<b>Manufacturing ....</b>	-	43	25	2 718	66 790	2 106	4 170	45 256	168 640	127 778	294 011	18 732
326	Plastics & rubber products mfg .....	-	3	3	501	12 147	428	911	9 169	25 324	23 842	49 440	D
333	Machinery mfg .....	-	11	7	871	20 905	727	1 345	14 452	50 562	32 035	83 088	11 682
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>NOBLESVILLE, IN</b>													
31-33	<b>Manufacturing ....</b>	-	38	11	1 419	45 506	1 118	2 138	29 168	201 491	90 368	292 662	4 825
326	Plastics & rubber products mfg .....	-	4	4	801	26 291	647	1 234	17 075	160 568	60 178	221 722	1 583
<b>NORTH MANCHESTER, IN</b>													
31-33	<b>Manufacturing ....</b>	-	14	11	1 388	34 958	1 165	2 316	24 678	74 926	70 401	145 825	2 891
<b>NORTH VERNON, IN</b>													
31-33	<b>Manufacturing ....</b>	-	29	17	1 995	43 673	1 669	3 406	32 995	121 017	107 781	227 205	26 513
326	Plastics & rubber products mfg .....	-	6	4	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	6	4	f	D	D	D	D	D	D	D	D
<b>PAOLI, IN</b>													
31-33	<b>Manufacturing ....</b>	1	11	7	828	13 917	721	1 398	11 331	26 729	41 151	67 701	725
<b>PERU, IN</b>													
31-33	<b>Manufacturing ....</b>	-	36	18	2 195	57 694	1 537	2 953	38 748	215 746	148 565	365 001	5 845
335	Electrical equipment, appliance, & component mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335313	Switchgear & switchboard apparatus mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
<b>PLYMOUTH, IN</b>													
31-33	<b>Manufacturing ....</b>	1	46	32	2 796	78 380	2 194	4 556	53 573	310 255	335 981	645 003	23 366
326	Plastics & rubber products mfg .....	-	4	3	647	16 798	525	1 035	11 821	59 531	31 131	91 109	5 102
3261	Plastics product mfg .....	-	4	3	647	16 798	525	1 035	11 821	59 531	31 131	91 109	5 102
<b>PORTAGE, IN</b>													
31-33	<b>Manufacturing ....</b>	-	22	9	2 172	112 586	1 623	3 311	85 028	359 426	761 048	1 124 504	D
331	Primary metal mfg .....	-	3	2	g	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg .....	-	1	1	g	D	D	D	D	D	D	D	D
331111	Iron & steel mills .....	-	1	1	g	D	D	D	D	D	D	D	D
<b>PORTLAND, IN</b>													
31-33	<b>Manufacturing ....</b>	1	26	19	2 357	51 504	1 946	3 789	38 357	135 937	245 216	383 692	D
332	Fabricated metal product mfg .....	-	6	3	g	D	D	D	D	D	D	D	D
3326	Spring & wire product mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>PRINCETON, IN</b>													
31-33	Manufacturing ....	-	19	9	1 338	33 308	1 153	2 444	26 737	72 262	48 176	122 031	5 141
335	Electrical equipment, appliance, & component mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	4	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
335312	Motor & generator mfg .....	-	4	2	f	D	D	D	D	D	D	D	D
<b>RENSSELAER, IN</b>													
31-33	Manufacturing ....	-	13	7	834	17 678	710	1 448	12 591	94 314	84 435	178 708	15 561
<b>RICHMOND, IN</b>													
31-33	Manufacturing ....	1	95	61	8 093	250 083	6 519	13 378	174 514	660 737	839 953	1 500 169	66 058
311	Food mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg .....	-	9	7	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	7	6	g	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	2	2	f	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	7	6	897	31 137	743	1 706	24 187	65 752	60 405	127 912	12 442
3315	Foundries .....	-	6	5	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries ..	-	4	4	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	4	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg .....	-	15	10	1 025	36 879	813	1 491	22 423	59 845	88 308	153 932	D
334	Computer & electronic product mfg .....	3	3	2	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media ..	3	2	2	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media .....	3	2	2	f	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing .....	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg .....	7	6	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	1	14	9	551	14 870	416	899	10 899	44 278	38 802	83 069	2 664
3399	Other miscellaneous mfg ..	1	12	9	f	D	D	D	D	D	D	D	D
<b>ROCHESTER, IN</b>													
31-33	Manufacturing ....	3	29	15	1 725	44 984	1 422	3 173	33 769	97 025	153 720	251 625	4 365
<b>RUSHVILLE, IN</b>													
31-33	Manufacturing ....	-	16	5	733	22 311	531	1 216	14 290	167 203	77 514	244 890	3 884



**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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>SALEM, IN</b>													
31-33	<b>Manufacturing ....</b>	-	19	8	2 335	55 178	2 039	3 859	44 575	122 334	112 965	234 588	5 765
333	Machinery mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg. ....	-	1	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
333112	Lawn & garden tractor & home lawn & garden equipment mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
33712	Household & institutional furniture mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg .....	-	2	1	f	D	D	D	D	D	D	D	D
<b>SCHERERVILLE, IN</b>													
31-33	<b>Manufacturing ....</b>	4	16	6	579	21 754	378	787	10 851	59 243	43 806	99 700	5 378
<b>SCOTTSBURG, IN</b>													
31-33	<b>Manufacturing ....</b>	-	18	12	1 777	44 971	1 423	2 856	31 852	102 872	91 539	194 886	13 742
326	Plastics & rubber products mfg .....	-	3	3	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
<b>SELLERSBURG, IN</b>													
31-33	<b>Manufacturing ....</b>	1	11	7	799	20 831	615	1 331	13 205	47 656	68 618	117 621	3 313
<b>SEYMOUR, IN</b>													
31-33	<b>Manufacturing ....</b>	-	56	28	5 105	160 335	3 960	8 429	103 788	492 572	596 865	1 083 327	42 389
332	Fabricated metal product mfg .....	-	7	5	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg .....	-	9	4	f	D	D	D	D	D	D	D	4 257
336	Transportation equipment mfg .....	-	4	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	3	3	g	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336312	Gasoline engine & engine parts mfg ....	-	1	1	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg .....	-	2	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting 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	E <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>SHELBYVILLE, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>53</b>	<b>32</b>	<b>5 113</b>	<b>171 612</b>	<b>3 852</b>	<b>8 281</b>	<b>112 906</b>	<b>383 386</b>	<b>355 985</b>	<b>740 155</b>	<b>69 196</b>
326	Plastics & rubber products mfg . . . . .	-	7	6	1 522	44 321	1 047	2 139	25 588	61 547	76 236	136 096	10 771
3261	Plastics product mfg . . . . .	1	5	5	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg . . . . .	1	4	4	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg . . . . .	1	4	4	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg . . . . .	-	5	4	g	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
32799	All other nonmetallic mineral product mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
327993	Mineral wool mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	3	2	f	D	D	D	D	D	D	D	D
<b>SOUTH BEND, IN</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>200</b>	<b>84</b>	<b>10 066</b>	<b>361 796</b>	<b>6 627</b>	<b>13 180</b>	<b>190 843</b>	<b>956 514</b>	<b>899 610</b>	<b>1 850 062</b>	<b>85 041</b>
326	Plastics & rubber products mfg . . . . .	-	14	7	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg . . . . .	-	12	7	834	23 200	715	1 369	15 632	60 762	109 688	171 856	4 859
32619	Other plastics product mfg . . . . .	-	12	7	834	23 200	715	1 369	15 632	60 762	109 688	171 856	4 859
326199	All other plastics product mfg . . . . .	-	12	7	834	23 200	715	1 369	15 632	60 762	109 688	171 856	4 859
332	Fabricated metal product mfg . . . . .	-	53	25	2 135	67 170	1 588	3 245	42 651	139 229	203 754	340 905	18 117
3328	Coating, engraving, heat treating, & allied activities . . . . .	-	6	4	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, & allied activities . . . . .	-	6	4	f	D	D	D	D	D	D	D	D
333	Machinery mfg . . . . .	1	23	8	763	31 454	499	1 036	16 907	56 909	33 741	93 978	3 193
334	Computer & electronic product mfg . . . . .	7	5	4	730	12 654	447	952	5 152	22 375	23 032	46 308	D
3344	Semiconductor & other electronic component mfg . . . . .	9	2	2	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg . . . . .	9	2	2	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg . . . . .	9	2	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg . . . . .	-	5	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg . . . . .	-	10	6	2 475	120 952	1 222	2 431	48 792	410 530	174 034	580 805	D
3363	Motor vehicle parts mfg . . . . .	1	6	3	f	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg . . . . .	-	3	2	g	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg . . . . .	-	3	2	g	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg . . . . .	-	1	1	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg . . . . .	-	2	1	g	D	D	D	D	D	D	D	D
<b>SPEEDWAY, IN *</b>													
<b>31-33</b>	<b>Manufacturing . . . .</b>	-	<b>18</b>	<b>9</b>	<b>4 822</b>	<b>288 869</b>	<b>3 001</b>	<b>7 313</b>	<b>188 474</b>	<b>729 135</b>	<b>504 439</b>	<b>1 232 294</b>	<b>66 492</b>
336	Transportation equipment mfg . . . . .	-	2	2	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . . . .	-	1	1	h	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg . . . . .	-	1	1	h	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg . . . . .	-	1	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>SPENCER, IN</b>													
31-33	Manufacturing ....	-	11	4	1 095	28 453	750	1 515	15 933	45 554	47 417	94 073	6 711
339	Miscellaneous mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
<b>SYRACUSE, IN</b>													
31-33	Manufacturing ....	-	17	10	1 852	65 495	1 587	3 277	50 276	181 121	270 458	449 317	16 637
336	Transportation equipment mfg.....	-	4	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	2	1	f	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg.....	-	2	1	f	D	D	D	D	D	D	D	D
336350	Motor vehicle transmission & power train parts mfg.....	-	2	1	f	D	D	D	D	D	D	D	D
<b>TELL CITY, IN</b>													
31-33	Manufacturing ....	-	14	5	765	20 444	699	1 127	17 636	39 698	40 245	79 141	1 931
<b>TERRE HAUTE, IN</b>													
31-33	Manufacturing ....	-	92	42	5 998	200 279	4 552	9 348	137 581	788 416	611 878	1 398 421	63 481
322	Paper mfg.....	-	5	5	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	12	6	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	-	5	3	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg.....	-	3	3	f	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg..	-	2	2	f	D	D	D	D	D	D	D	D
326111	Unsupported plastics bag mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media.	-	1	1	g	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media.....	-	1	1	g	D	D	D	D	D	D	D	D
334613	Magnetic & optical recording media mfg.	-	1	1	g	D	D	D	D	D	D	D	D
<b>TIPTON, IN</b>													
31-33	Manufacturing ....	2	11	6	821	27 621	644	1 350	18 787	76 490	110 822	184 553	D
<b>UNION CITY, IN</b>													
31-33	Manufacturing ....	-	7	2	f	D	D	D	D	D	D	D	D
<b>VALPARAISO, IN</b>													
31-33	Manufacturing ....	-	54	18	2 134	82 382	1 567	3 250	52 937	276 909	279 982	552 250	30 694
332	Fabricated metal product mfg.....	-	9	5	1 016	41 166	736	1 553	27 250	147 535	121 261	266 951	9 596
3329	Other fabricated metal product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
<b>VINCENNES, IN</b>													
31-33	Manufacturing ....	-	25	10	1 281	35 887	1 013	1 947	25 370	92 644	144 771	237 587	14 217
327	Nonmetallic mineral product mfg.....	-	4	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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>WABASH, IN</b>													
31-33	<b>Manufacturing ....</b>	-	32	18	2 900	87 462	2 346	4 439	61 542	177 477	184 852	357 746	16 276
332	Fabricated metal product mfg .....	-	4	3	864	30 713	676	1 430	21 282	69 786	40 652	109 033	880
3329	Other fabricated metal product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33291	Metal valve mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
332911	Industrial valve mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
<b>WARSAW, IN</b>													
31-33	<b>Manufacturing ....</b>	-	50	28	8 065	307 347	5 808	11 791	174 074	966 257	671 518	1 652 793	47 567
323	Printing & related support activities .....	-	5	1	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities .....	-	5	1	g	D	D	D	D	D	D	D	D
32311	Printing .....	-	5	1	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing .....	-	1	1	g	D	D	D	D	D	D	D	D
331	Primary metal mfg .....	-	3	2	f	D	D	D	D	D	D	D	D
3315	Foundries .....	-	3	2	f	D	D	D	D	D	D	D	D
33151	Ferrous metal foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
331511	Iron foundries .....	-	2	2	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg .....	-	8	3	h	D	D	D	D	D	D	D	15 971
3391	Medical equipment & supplies mfg .....	-	6	3	h	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg .....	-	6	3	h	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg .....	-	3	3	h	D	D	D	D	D	D	D	15 854
<b>WASHINGTON, IN</b>													
31-33	<b>Manufacturing ....</b>	-	13	7	1 353	26 123	1 110	2 363	19 515	95 059	190 772	286 599	D
311	Food mfg .....	-	4	2	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
<b>WESTFIELD, IN</b>													
31-33	<b>Manufacturing ....</b>	-	16	8	1 179	36 792	827	1 362	18 339	80 886	54 093	136 491	10 090
336	Transportation equipment mfg .....	-	2	2	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
33636	Motor vehicle seating & interior trim mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
<b>WEST LAFAYETTE, IN</b>													
31-33	<b>Manufacturing ....</b>	-	20	5	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg .....	-	6	3	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
3379	Other furniture related product mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
33792	Blind & shade mfg .....	-	1	1	f	D	D	D	D	D	D	D	D
337920	Blind & shade mfg ....	-	1	1	f	D	D	D	D	D	D	D	D
<b>WHITING, IN</b>													
31-33	<b>Manufacturing ....</b>	-	9	5	g	D	D	D	D	D	D	D	D
324	Petroleum & coal products mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg .....	-	3	3	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries ....	-	1	1	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	g	D	D	D	D	D	D	D	D
<b>WINCHESTER, IN</b>													
31-33	<b>Manufacturing ....</b>	2	16	11	1 064	34 870	879	1 650	26 752	85 762	51 984	142 198	3 711

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

<sup>1</sup>Some 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.

<sup>2</sup>Industries 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
<b>INDIANA</b>		<b>INDIANA—Con.</b>	
Companies <sup>1</sup> .....	8 323	Quantity of electricity purchased for heat and power .....	1,000 kWh.. 33 113 387
All establishments .....	9 303	Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 3 276 201
Establishments with 1 to 19 employees .....	5 357	Total value of shipments .....	\$1,000.. 142 270 702
Establishments with 20 to 99 employees .....	2 617	Value of resales .....	\$1,000.. 4 027 603
Establishments with 100 employees or more .....	1 329	Value added .....	\$1,000.. 67 210 944
All employees .....	625 692	Total inventories, beginning of year .....	\$1,000.. 14 406 482
Total compensation <sup>2</sup> .....	\$1,000.. 28 483 753	Finished goods inventories, beginning of year .....	\$1,000.. 5 054 872
Annual payroll .....	\$1,000.. 22 121 447	Work-in-process inventories, beginning of year .....	\$1,000.. 3 784 601
Total fringe benefits .....	\$1,000.. 6 362 306	Materials and supplies inventories, beginning of year .....	\$1,000.. 5 567 009
Production workers, average for year .....	478 248	Total inventories, end of year .....	\$1,000.. 14 953 513
Production workers on March 12 .....	476 049	Finished goods inventories, end of year .....	\$1,000.. 5 176 584
Production workers on May 12 .....	478 580	Work-in-process inventories, end of year .....	\$1,000.. 4 307 948
Production workers on August 12 .....	478 618	Materials and supplies inventories, end of year .....	\$1,000.. 5 468 981
Production workers on November 12 .....	479 745	Gross book value of total assets at beginning of year .....	\$1,000.. 58 682 435
Production-worker hours .....	1,000.. 981 408	Total capital expenditures (new and used) .....	\$1,000.. 5 548 626
Production-worker wages .....	\$1,000.. 14 956 506	Capital expenditures for buildings and other structures (new and used) .....	\$1,000.. 780 951
Total cost of materials .....	\$1,000.. 75 652 832	Capital expenditures for machinery and equipment (new and used) .....	\$1,000.. 4 767 675
Cost of materials, parts, containers, etc., consumed .....	\$1,000.. 68 620 456	Total retirements <sup>2</sup> .....	\$1,000.. 1 768 914
Cost of resales .....	\$1,000.. 2 837 102	Gross book value of total assets at end of year .....	\$1,000.. 62 462 147
Cost of fuels .....	\$1,000.. 988 511	Total depreciation during year <sup>2</sup> .....	\$1,000.. 3 803 587
Cost of purchased electricity .....	\$1,000.. 1 398 852	Total rental payments <sup>2</sup> .....	\$1,000.. 931 337
Cost of contract work .....	\$1,000.. 1 807 911	Buildings and other structures rental payments <sup>2</sup> .....	\$1,000.. 354 099
		Machinery and equipment rental payments <sup>2</sup> .....	\$1,000.. 577 235

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

<sup>2</sup>These 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, calendaring, 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, calendaring, 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 323110 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 323111 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 323112 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 323113 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 323114 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 323115 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 323116 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 323117 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” (nsk) categories.

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

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

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

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

2. Establishments sent a report form.

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

- a. ASM sample establishments.

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

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

---

### INDIANA

**Batesville** is in Franklin and Ripley Counties.

**Beach Grove.** See “Indianapolis (consolidated city).”

**Chesterfield** is in Delaware and Madison Counties.

**Cumberland** is in Hancock and Marion Counties; see “Indianapolis (consolidated city).”

**Dunkirk** is in Blackford and Jay Counties.

**Edinburgh** is in Bartholomew and Johnson Counties.

**Elwood** is in Madison and Tipton Counties.

**Indianapolis (balance).** See “Indianapolis (consolidated city).”

**Indianapolis (consolidated city)** includes all of Marion County except Beech Grove, Lawrence, Southport, and Speedway, which are tabulated separately. The consolidated city includes Cumberland (part in Marion County), which also is tabulated separately. “Indianapolis (balance),” which is a place equivalent, includes Clermont, Crows Nest, Homecroft, Meridian Hills, North Crows Nest, Rocky Ripple, Spring Hill, Warren Park, Williams Creek, and Wynnedale, which are not populous enough for separate tabulation.

**Lawrence.** See “Indianapolis (consolidated city).”

**Nappanee** is in Elkhart and Kosciusko Counties.

**Southport.** See “Indianapolis (consolidated city).”

**Speedway.** See “Indianapolis (consolidated city).”

# Appendix E. Metropolitan Areas

---

## **INDIANA**

### **Bloomington, IN MSA**

Monroe County, IN

### **Chicago—Gary—Kenosha, IL—IN—WI CMSA**

Chicago, IL PMSA

Cook County, IL

DeKalb County, IL

DuPage County, IL

Grundy County, IL

Kane County, IL

Kendall County, IL

Lake County, IL

McHenry County, IL

Will County, IL

Gary, IN PMSA

Lake County, IN

Porter County, IN

Kankakee, IL PMSA

Kankakee County, IL

Kenosha, WI PMSA

Kenosha County, WI

### **Cincinnati, OH—KY—IN PMSA**

Dearborn County, IN

Ohio County, IN

Boone County, KY

Campbell County, KY

Gallatin County, KY

Grant County, KY

Kenton County, KY

Pendleton County, KY

Brown County, OH

Clermont County, OH

### **Cincinnati, OH—KY—IN PMSA—Con.**

Hamilton County, OH

Warren County, OH

### **Cincinnati—Hamilton, OH—KY—IN CMSA**

Cincinnati, OH—KY—IN PMSA

Dearborn County, IN

Ohio County, IN

Boone County, KY

Campbell County, KY

Gallatin County, KY

Grant County, KY

Kenton County, KY

Pendleton County, KY

Brown County, OH

Clermont County, OH

Hamilton County, OH

Warren County, OH

Hamilton—Middletown, OH PMSA

Butler County, OH

### **Elkhart—Goshen, IN MSA**

Elkhart County, IN

### **Evansville—Henderson, IN—KY MSA**

Posey County, IN

Vanderburgh County, IN

Warrick County, IN

Henderson County, KY

### **Fort Wayne, IN MSA**

Adams County, IN

Allen County, IN

De Kalb County, IN

Huntington County, IN

Wells County, IN

Whitley County, IN

---

**Gary, IN PMSA**

Lake County, IN

Porter County, IN

**Indianapolis, IN MSA**

Boone County, IN

Hamilton County, IN

Hancock County, IN

Hendricks County, IN

Johnson County, IN

Madison County, IN

Marion County, IN

Morgan County, IN

Shelby County, IN

**Kokomo, IN MSA**

Howard County, IN

Tipton County, IN

**Lafayette, IN MSA**

Clinton County, IN

Tippecanoe County, IN

**Louisville, KY—IN MSA**

Clark County, IN

Floyd County, IN

Harrison County, IN

Scott County, IN

Bullitt County, KY

Jefferson County, KY

Oldham County, KY

**Muncie, IN MSA**

Delaware County, IN

**South Bend, IN MSA**

St. Joseph County, IN

**Terre Haute, IN MSA**

Clay County, IN

Vermillion County, IN

Vigo County, IN

